

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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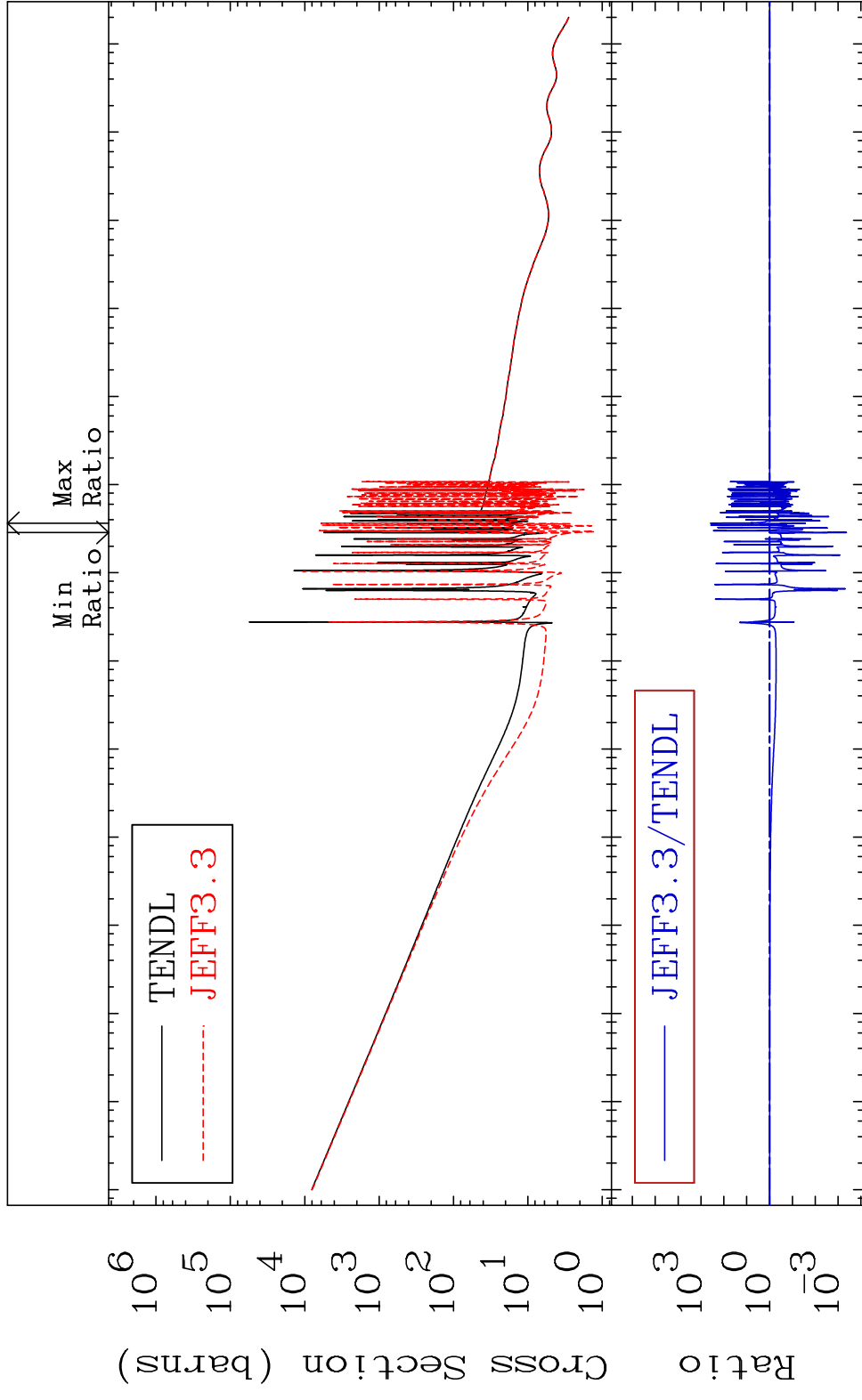
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7825

Total Cross Section -99.96 To 9999. %

78-Pt-190



1

Incident Energy (eV)

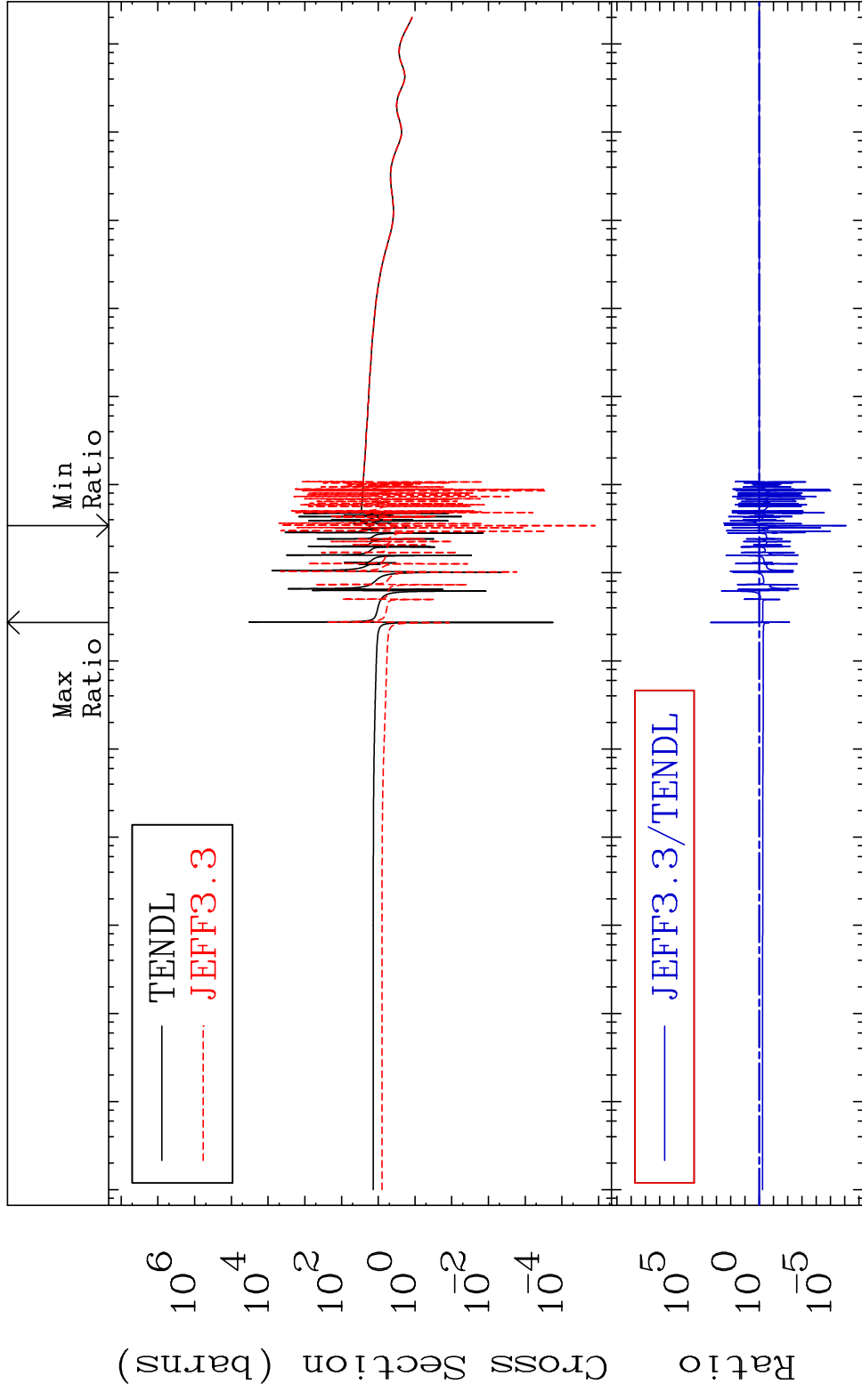
78-Pt-190

MAT 7825

78-Pt-190

Elastic

Cross Section -100.0 To 9999. %



Ratio

10⁶
10⁴
10²
10⁰
10⁻²
10⁻⁴

10⁵
10⁰
10⁻⁵

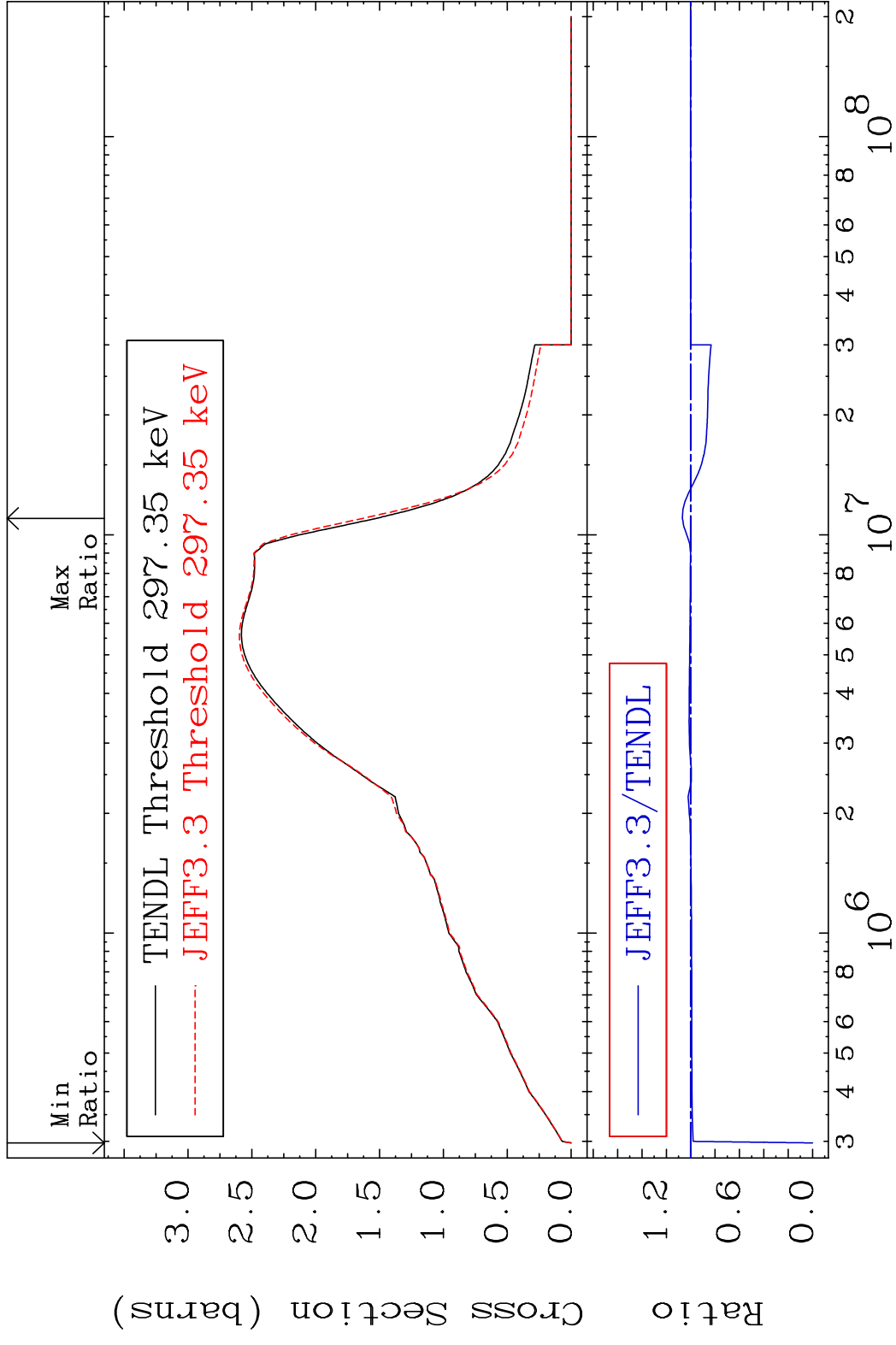
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

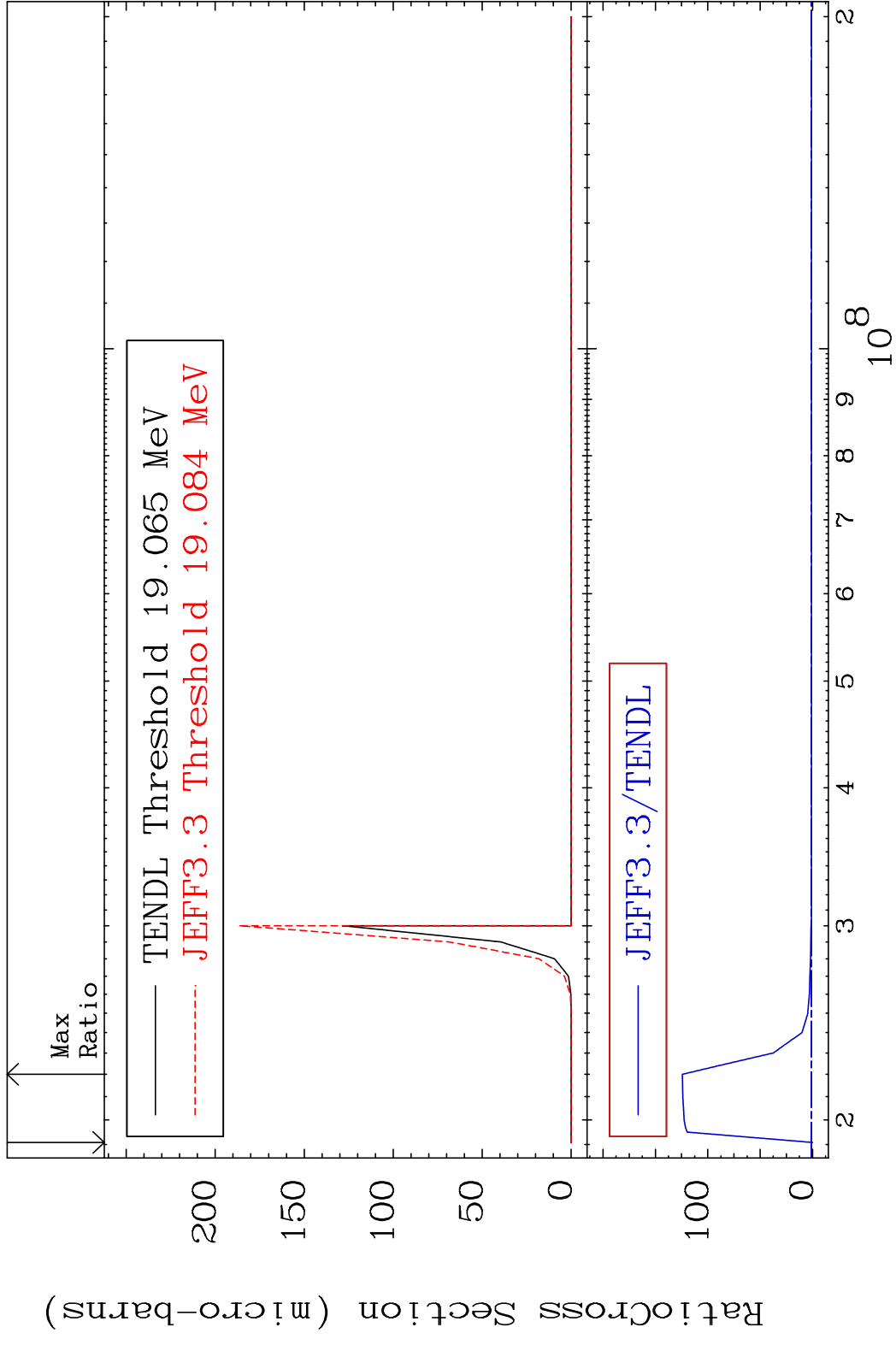
78-Pt-190

MAT 7825 Inelastic 78-Pt-190
 Cross Section -100.0 To 6.840 %



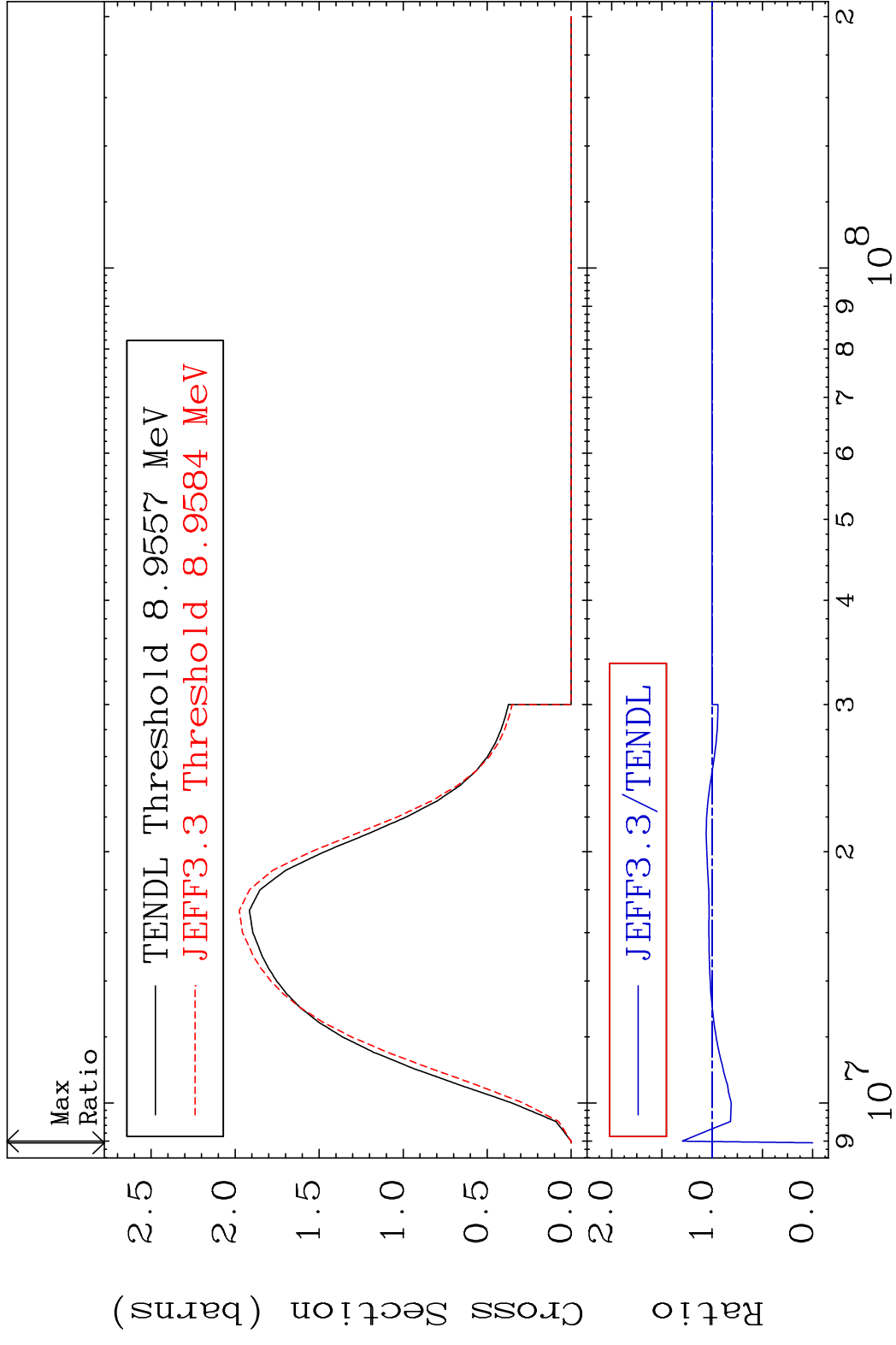
3 3 Incident Energy (eV) 78-Pt-190

MAT 7825 (n,2n) d 78-Pt-190
 Cross Section -100.0 To 9999. %



4 Incident Energy (eV) 78-Pt-190

MAT 7825 (n,2n) 78-Pt-190
 Cross Section -100.0 To 29.67 %



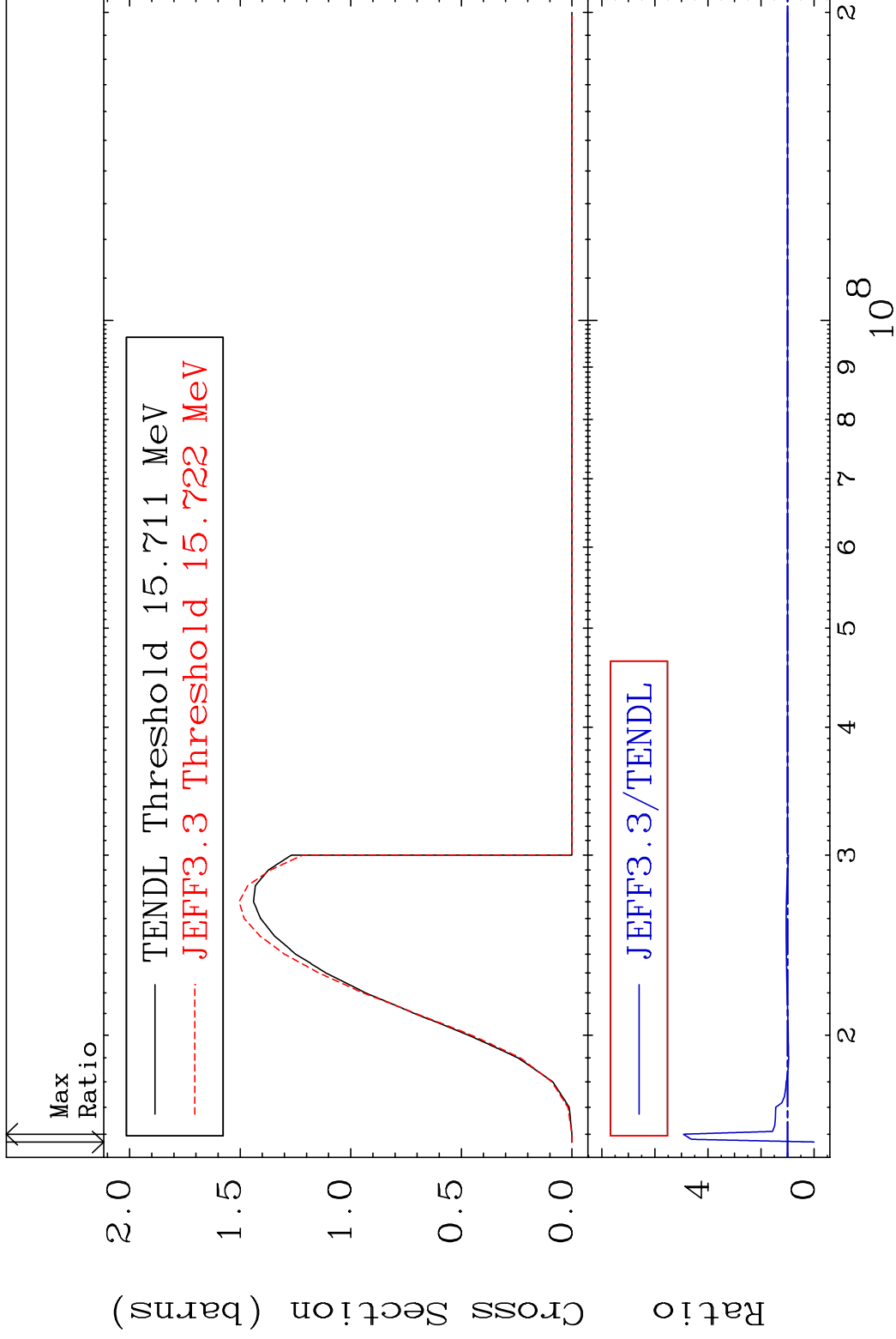
5 Incident Energy (eV) 78-Pt-190

MAT 7825

(n,3n)

78-Pt-190

Cross Section -100.0 To 392.1 %



6

Incident Energy (eV)

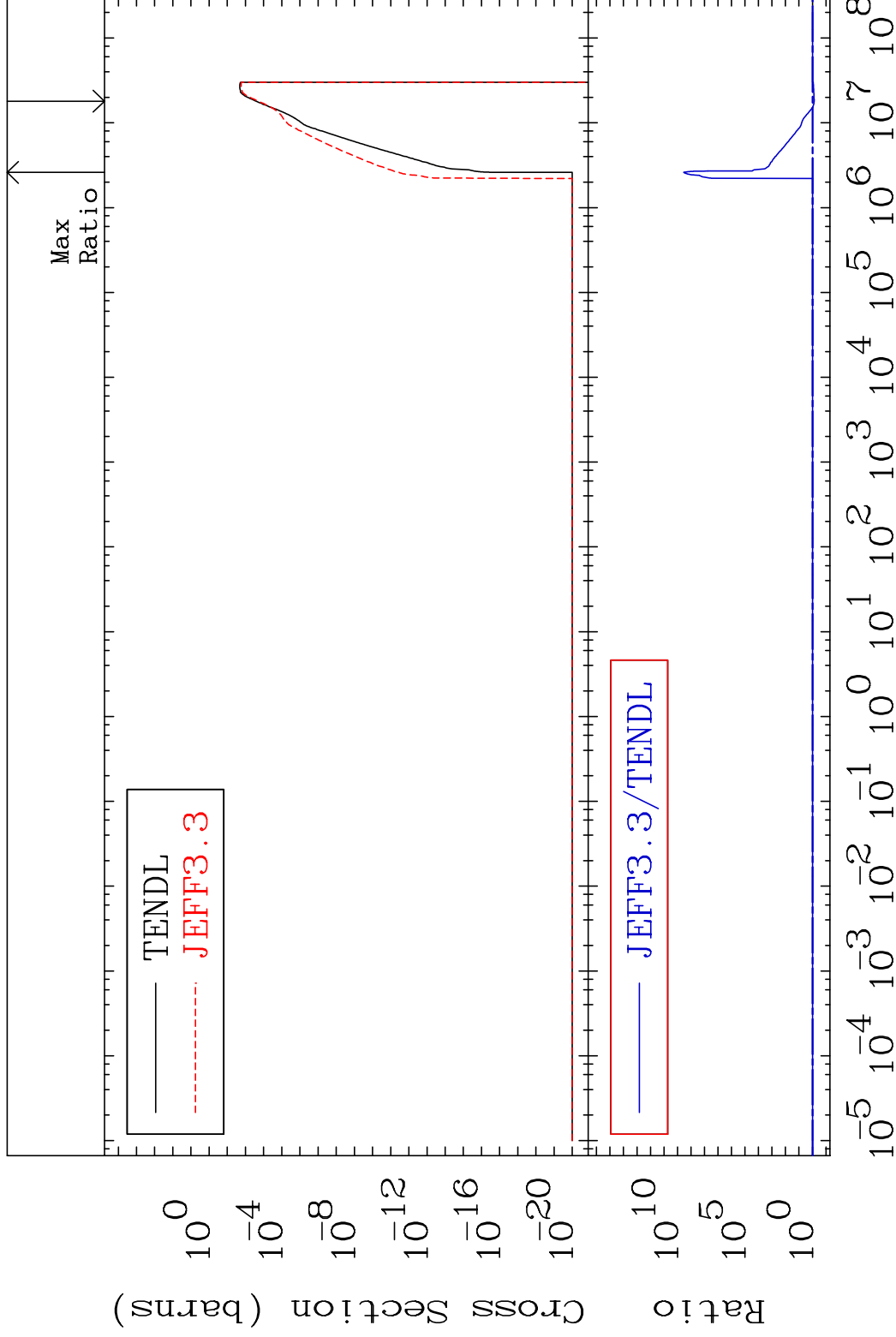
78-Pt-190

MAT 7825

(n, n') α

78-Pt-190

Cross Section -24.63 To 9999. %



7

Incident Energy (eV)

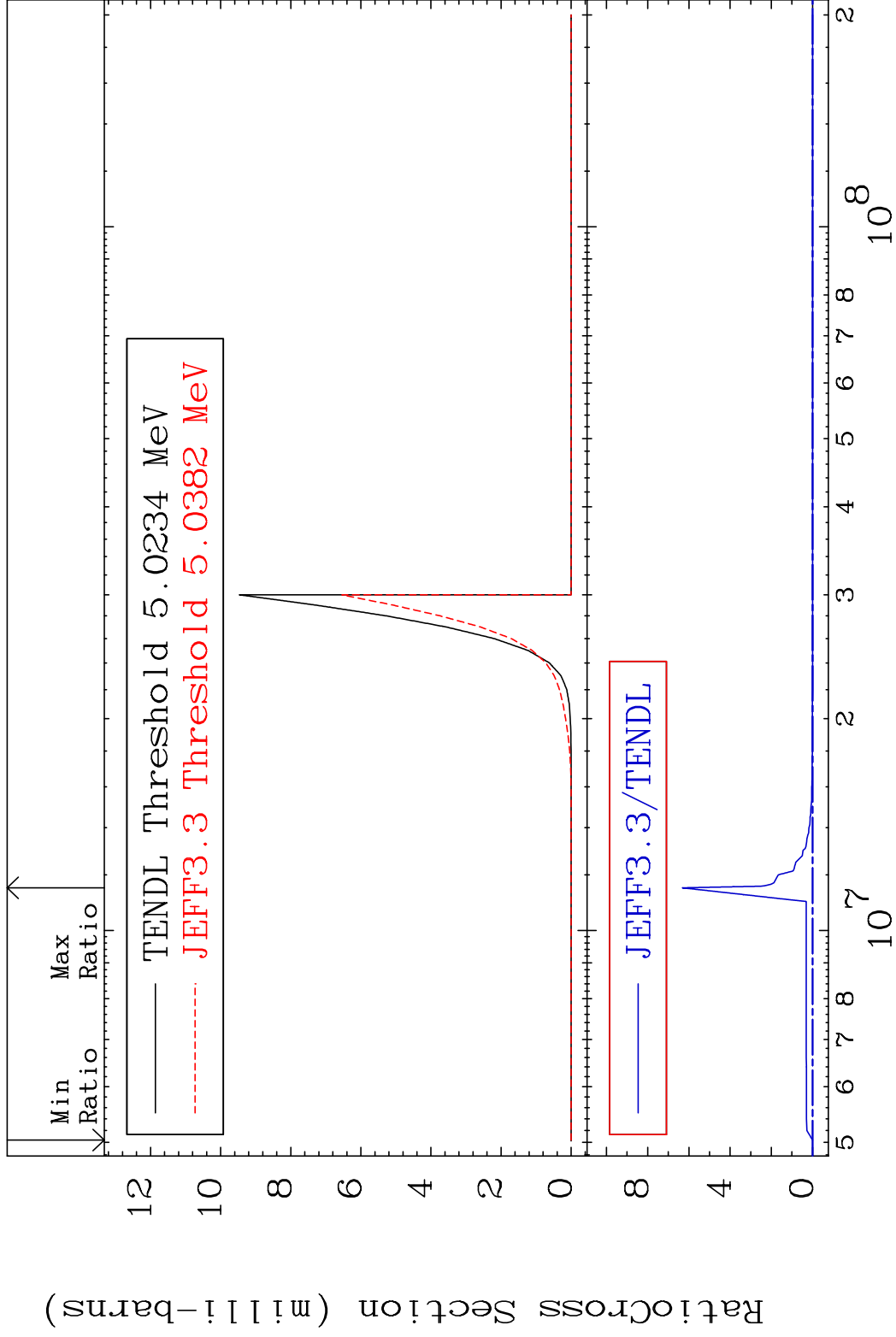
78-Pt-190

MAT 7825

(n,2n) α

78-Pt-190

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

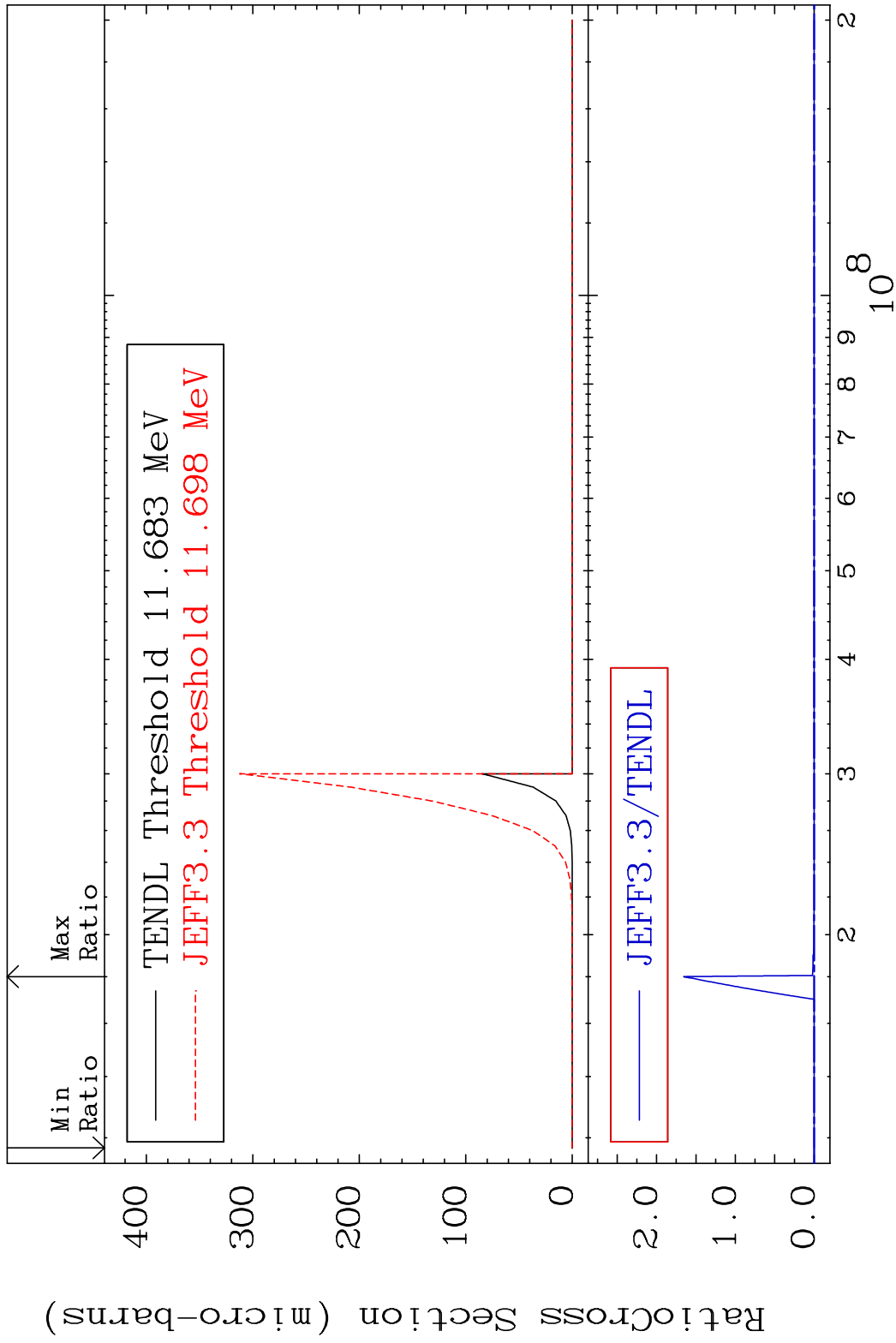
78-Pt-190

MAT 7825

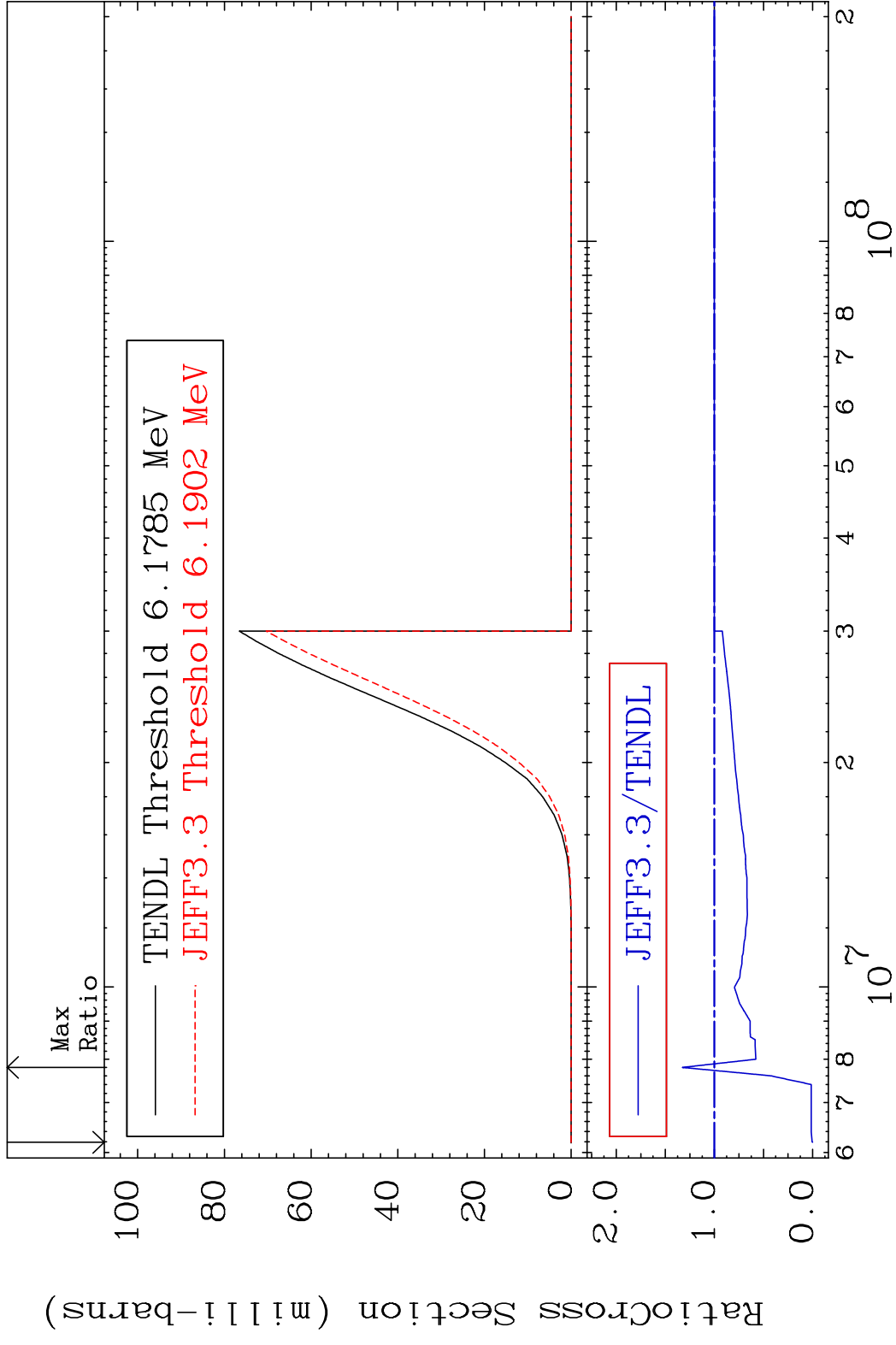
(n,3n) α

78-Pt-190

Cross Section -100.0 To 9999. %



MAT 7825 (n, n') p 78-Pt-190
 Cross Section -100.0 To 32.66 %

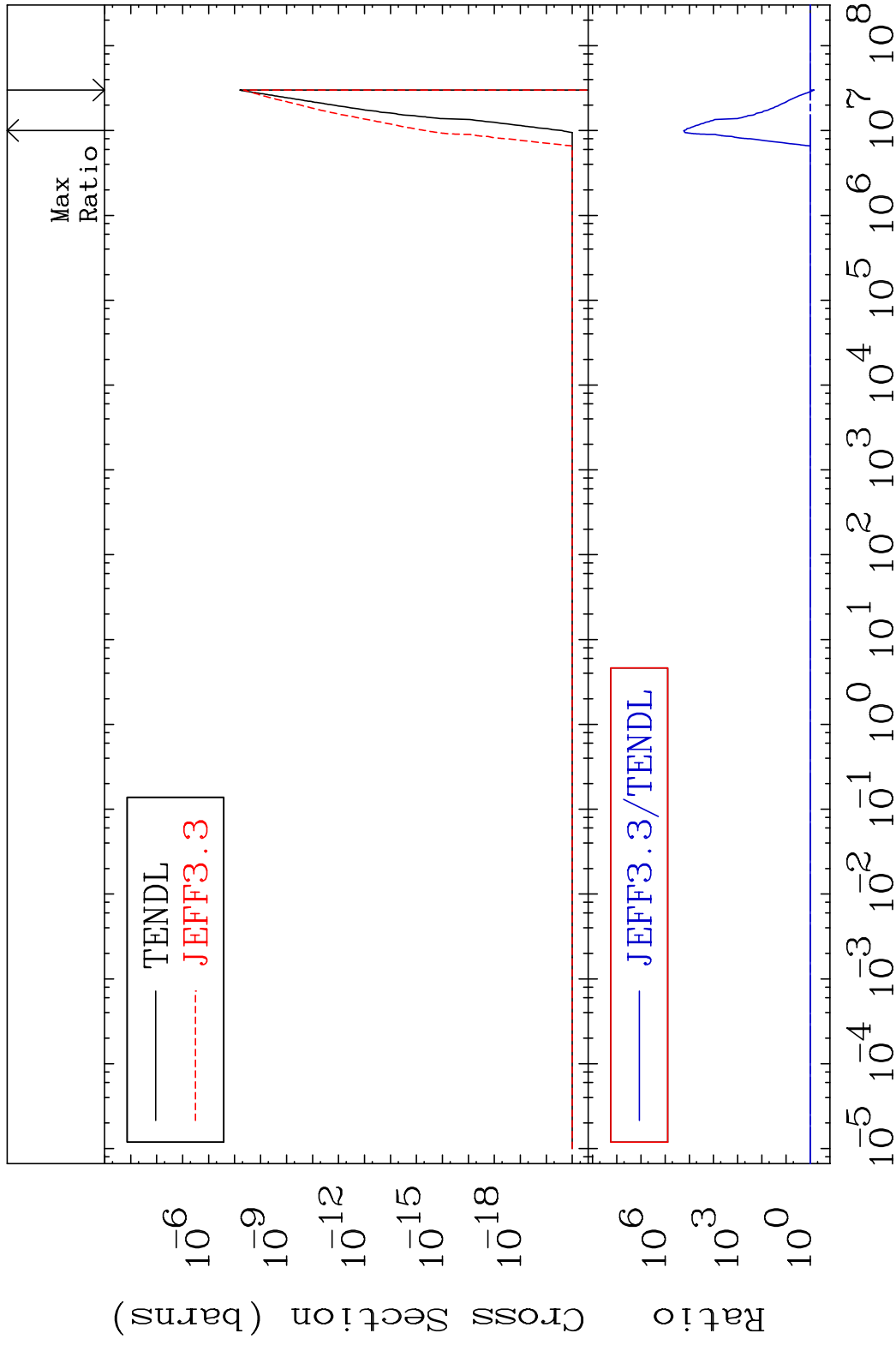


MAT 7825

(n, n') 2α

78-Pt-190

Cross Section -30.03 To 9999. %

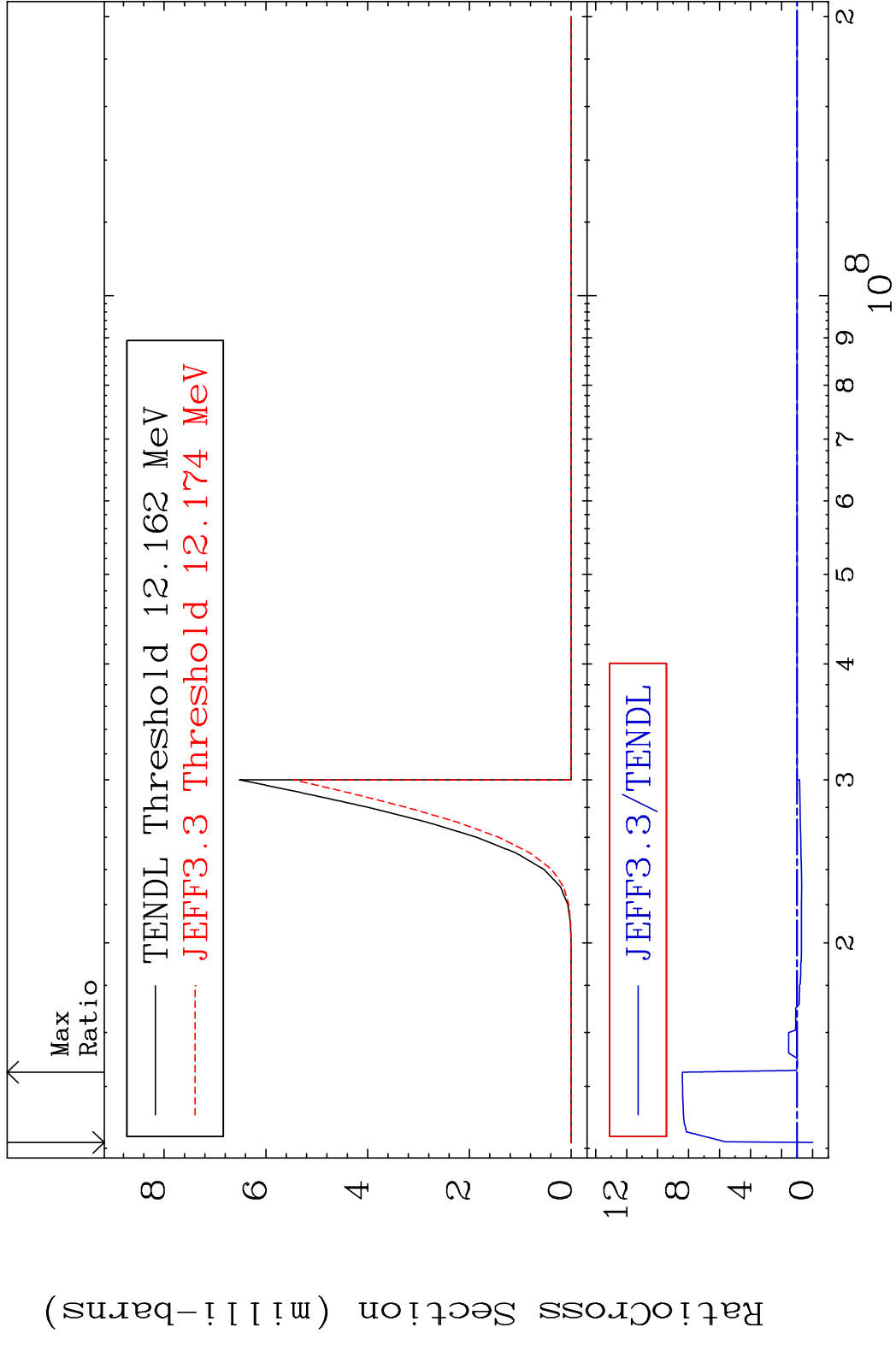


11

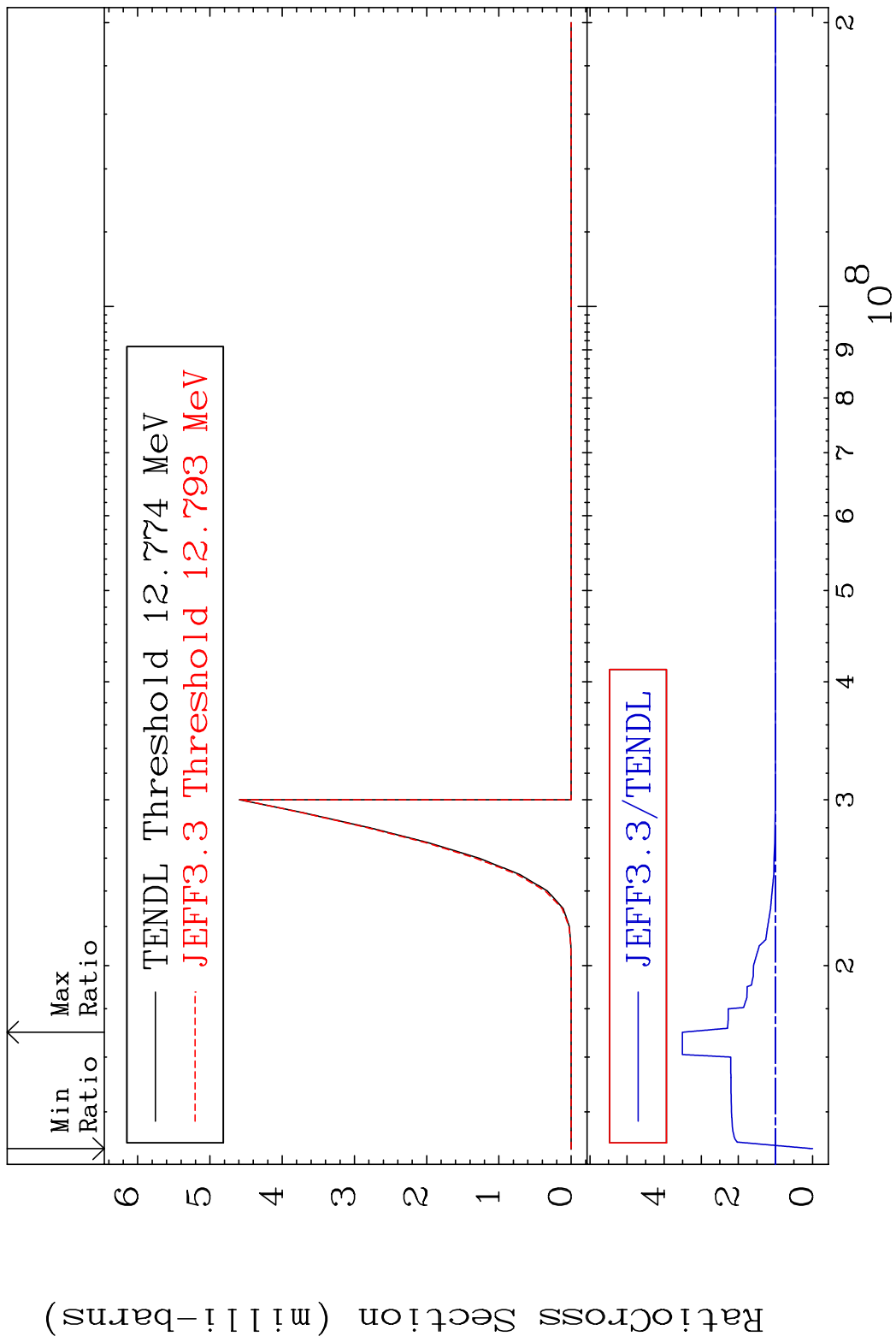
Incident Energy (eV)

78-Pt-190

MAT 7825 (n, n') d 78-Pt-190
 Cross Section -100.0 To 740.4 %



MAT 7825 (n, n') t 78-Pt-190
 Cross Section -100.0 To 251.0 %

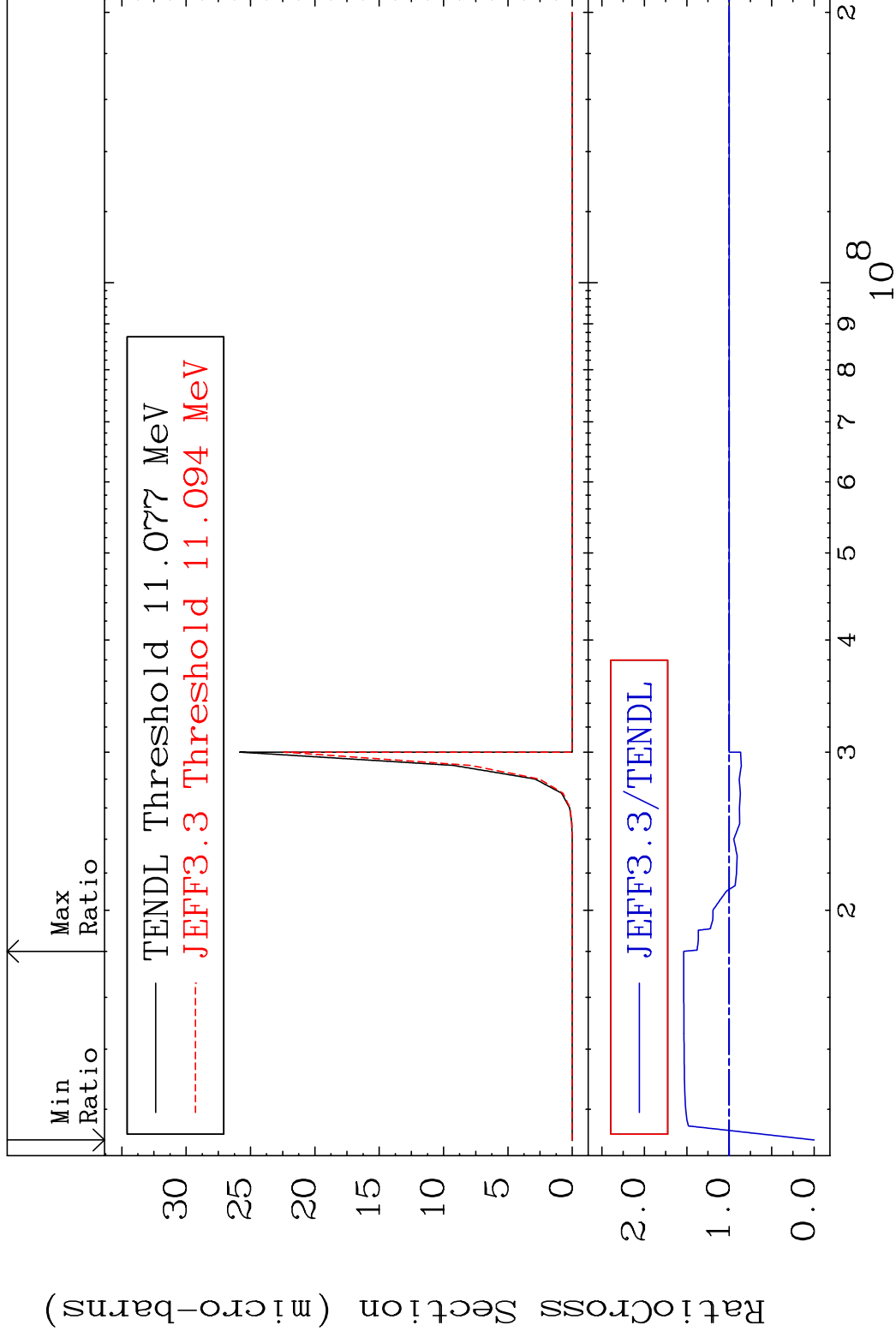


MAT 7825

(n,n') He-3

78-Pt-190

Cross Section -100.0 To 53.69 %

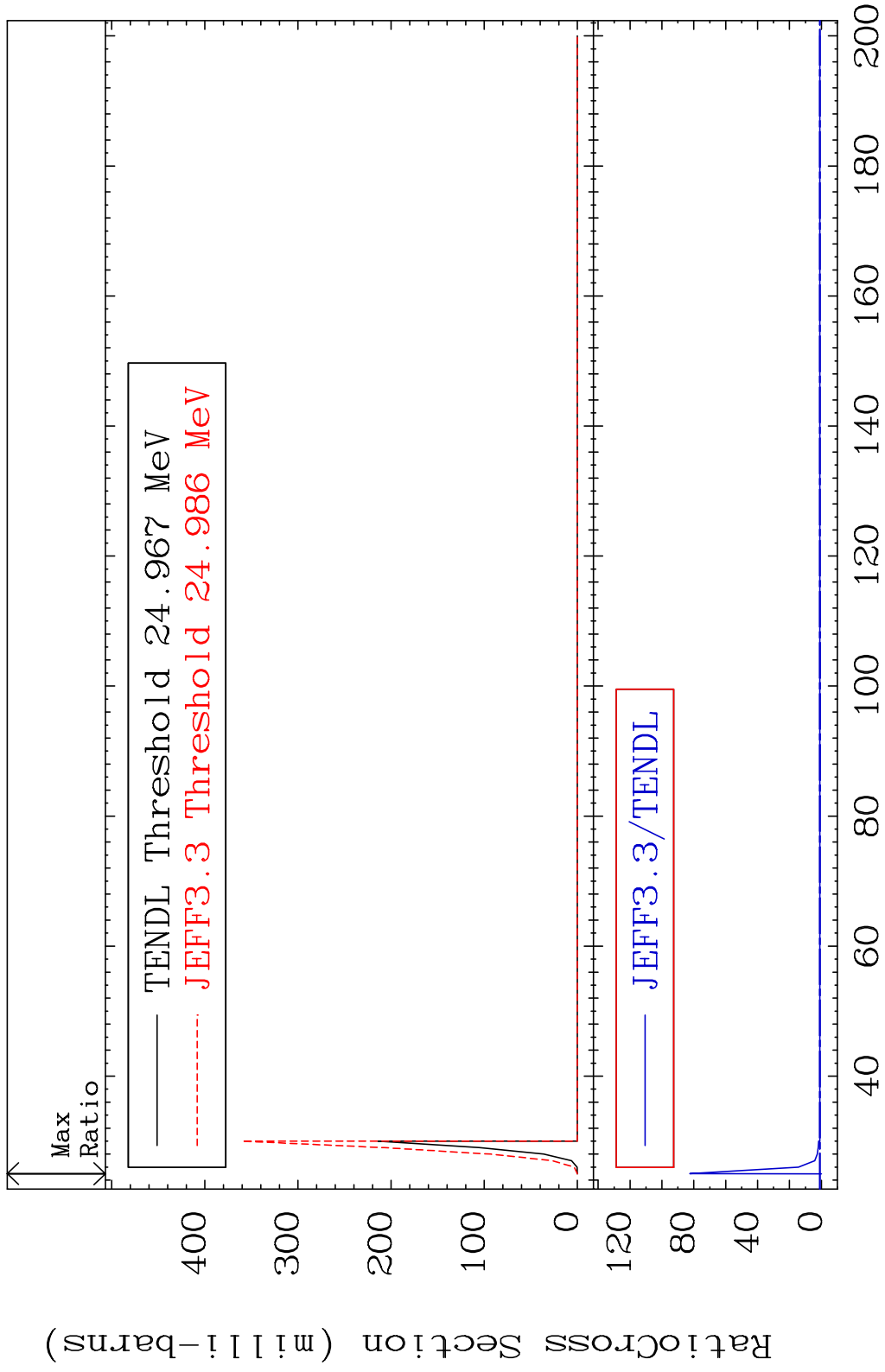


MAT 7825

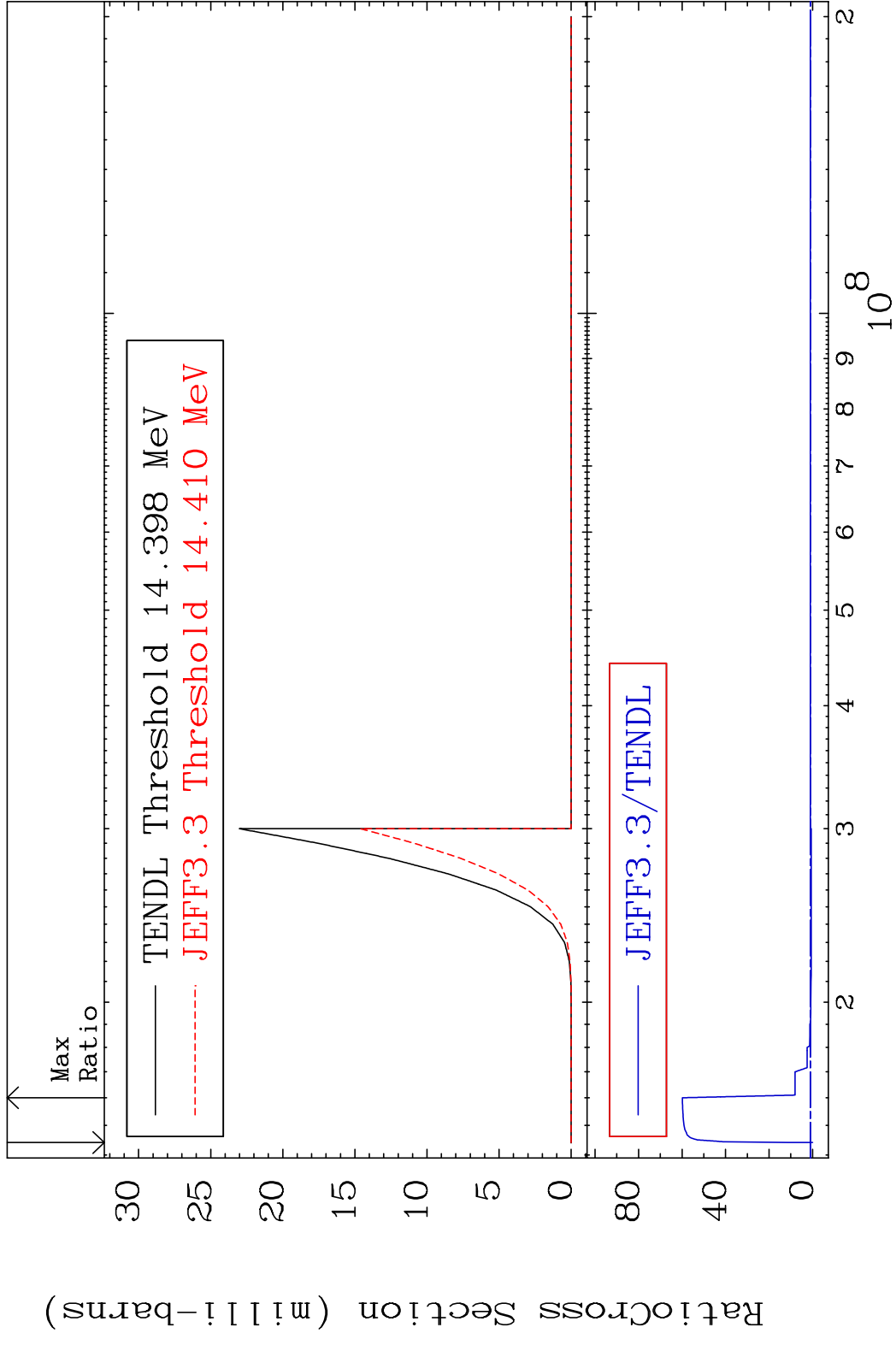
(n,4n)

78-Pt-190

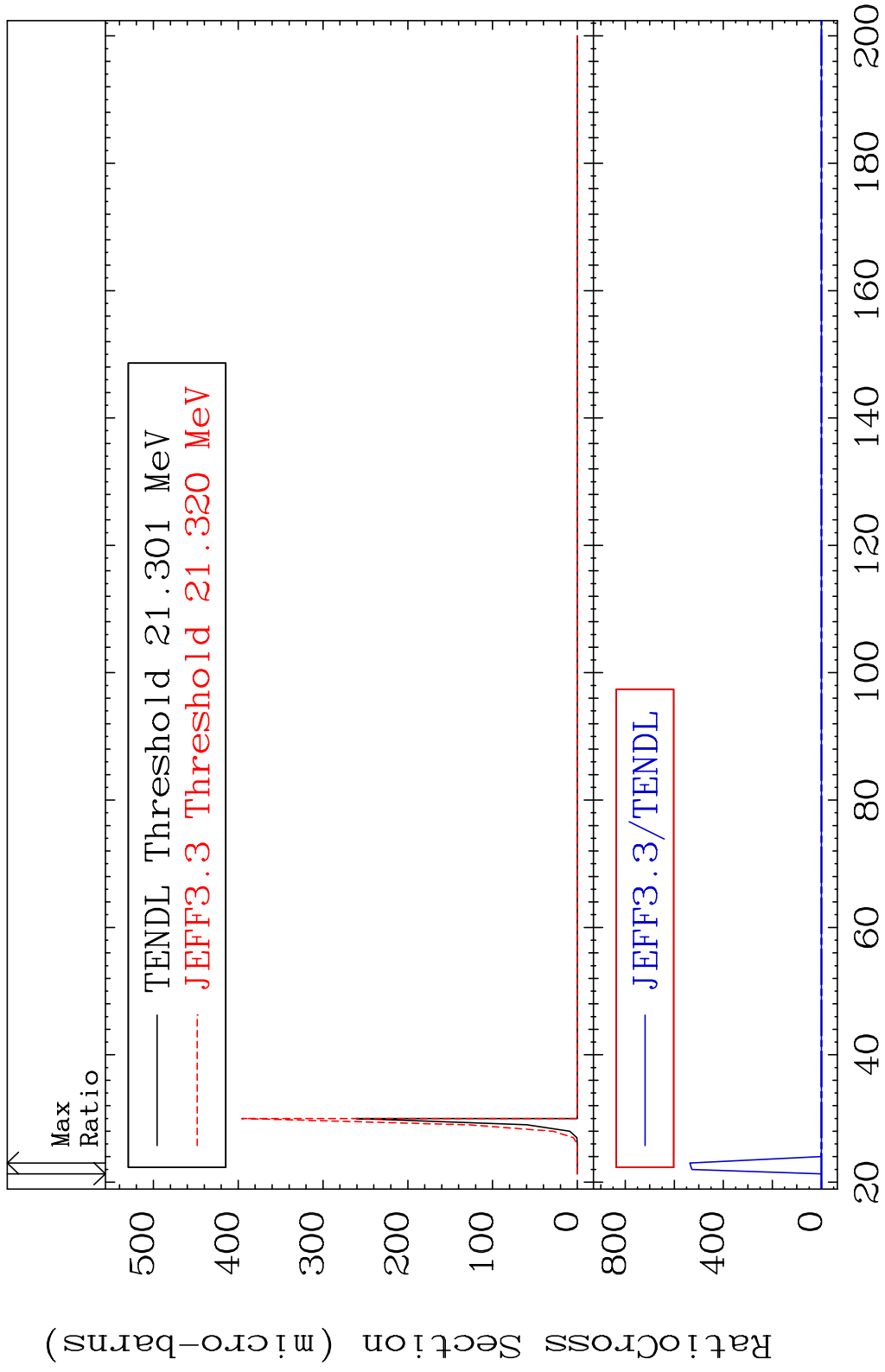
Cross Section -100.0 To 8154. %



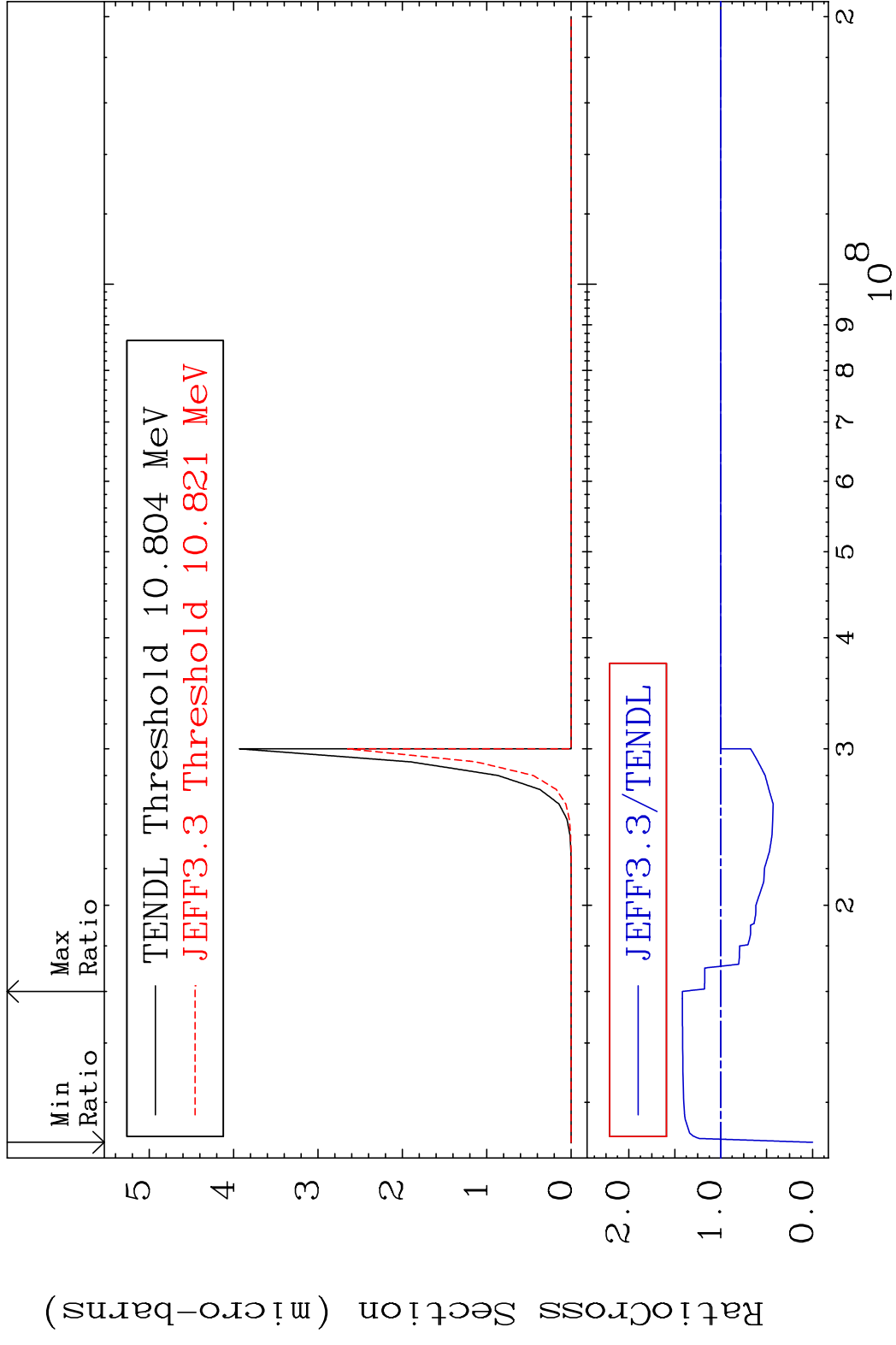
MAT 7825 (n,2n) p 78-Pt-190
 Cross Section -100.0 To 5886. %



MAT 7825 (n,3n) p 78-Pt-190
 Cross Section -100.0 To 9999. %

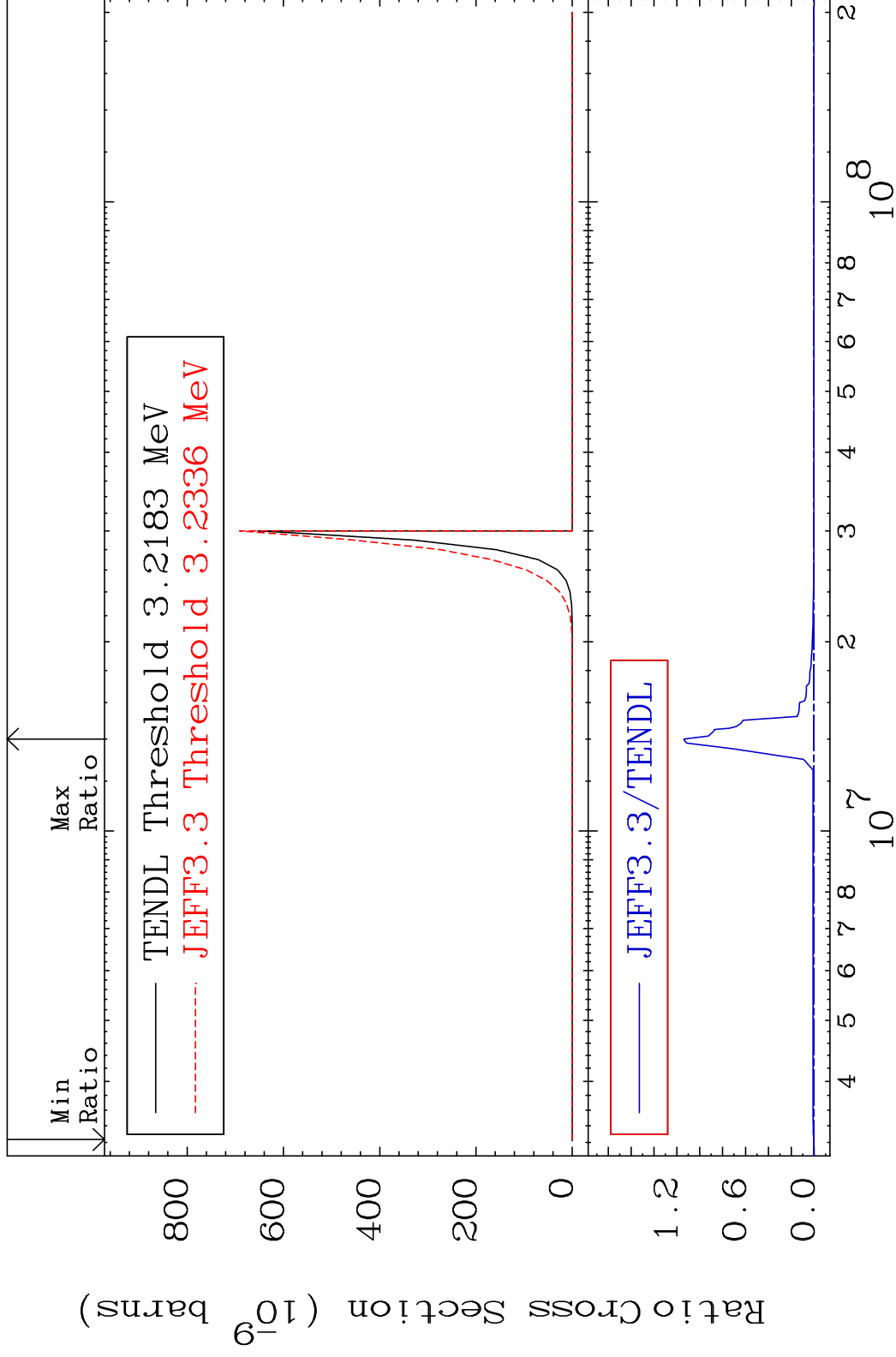


MAT 7825 (n,2n) p 78-Pt-190
 Cross Section -100.0 To 41.75 %

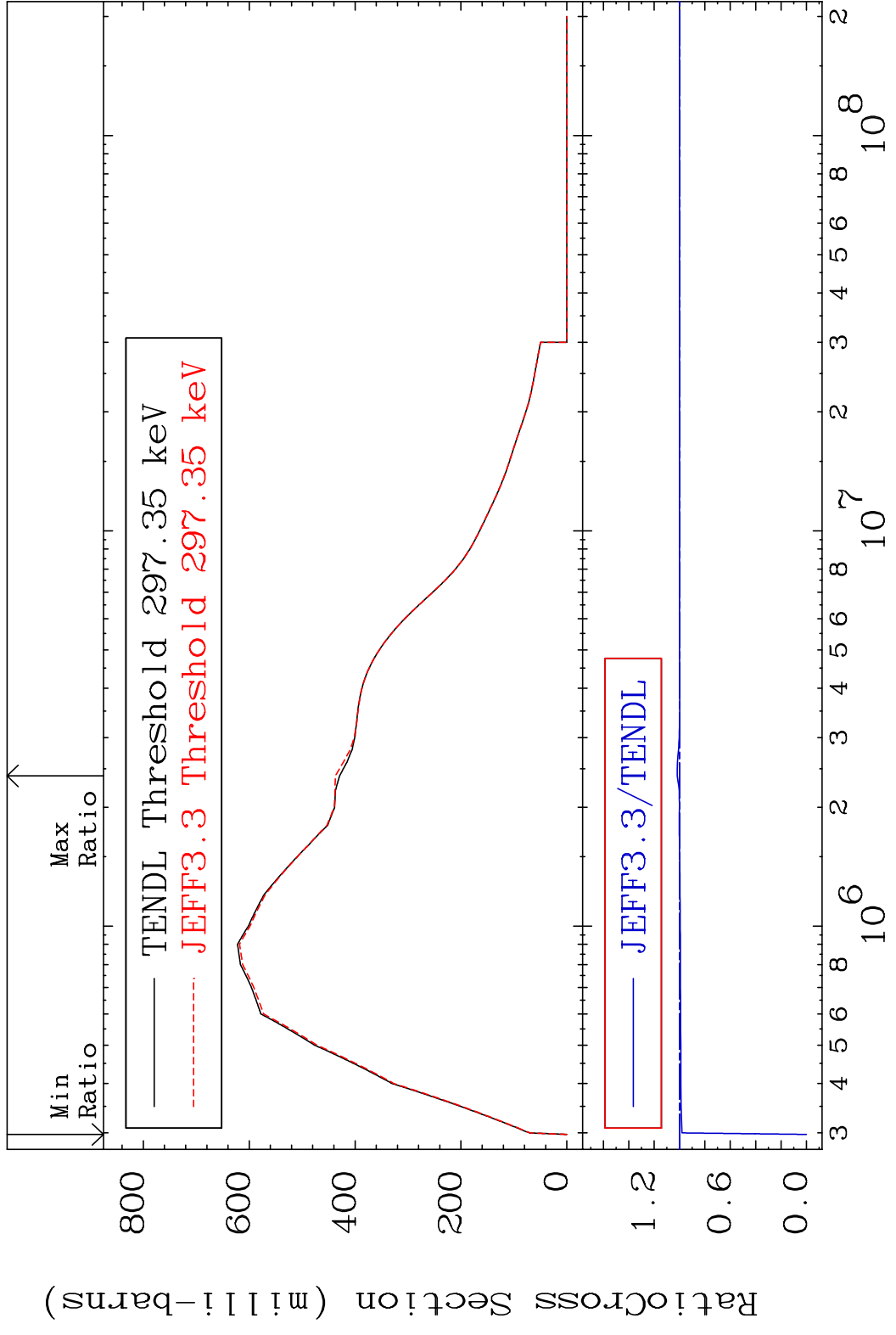


MAT 7825

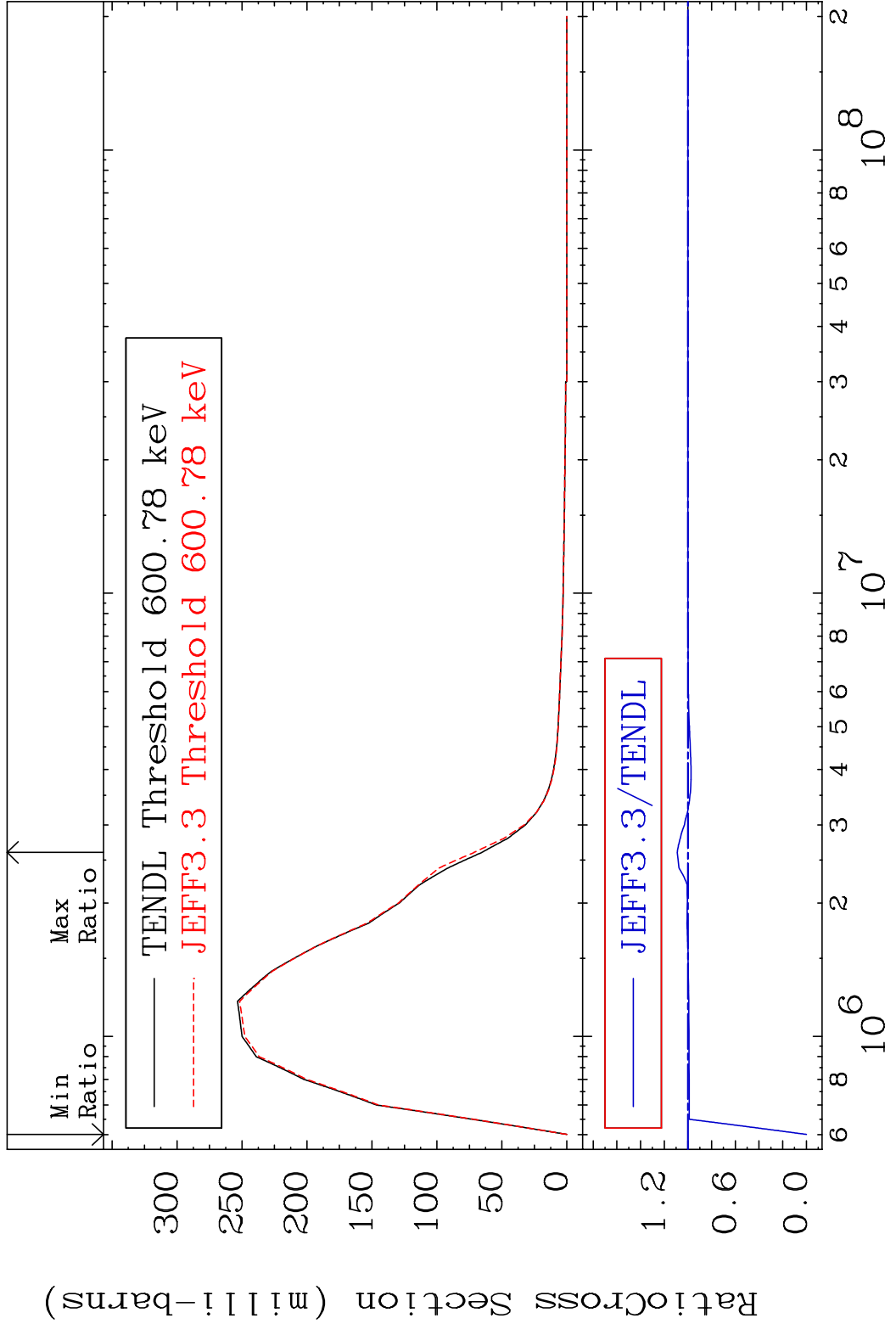
(n, n') p α 78-Pt-190
Cross Section -100.0 To 9999. %



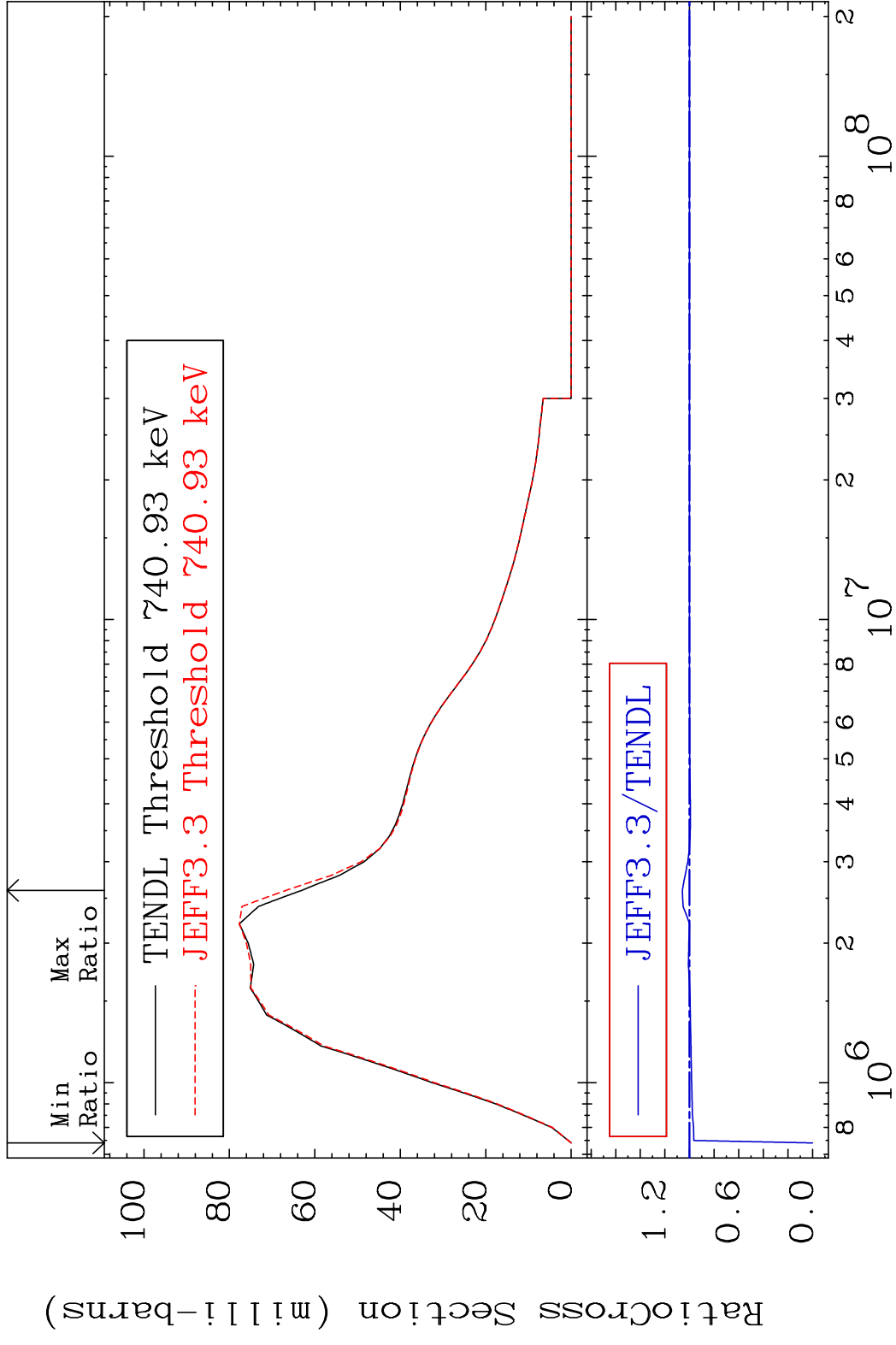
MAT 7825 MT= 51 (n,n') Level 78-Pt-190
 Cross Section -100.0 To 1.866 %



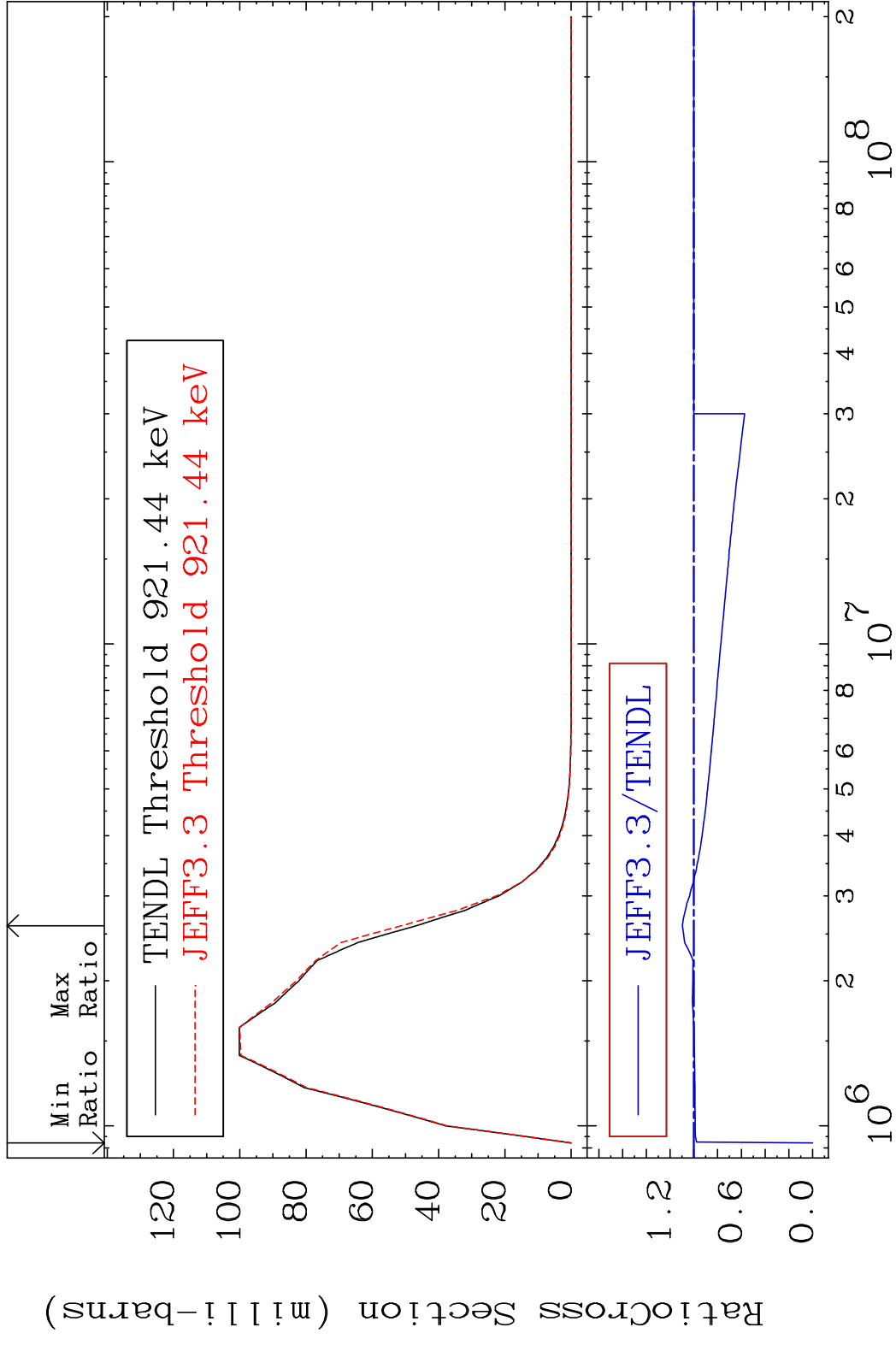
MAT 7825 MT= 52 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 9.078 %



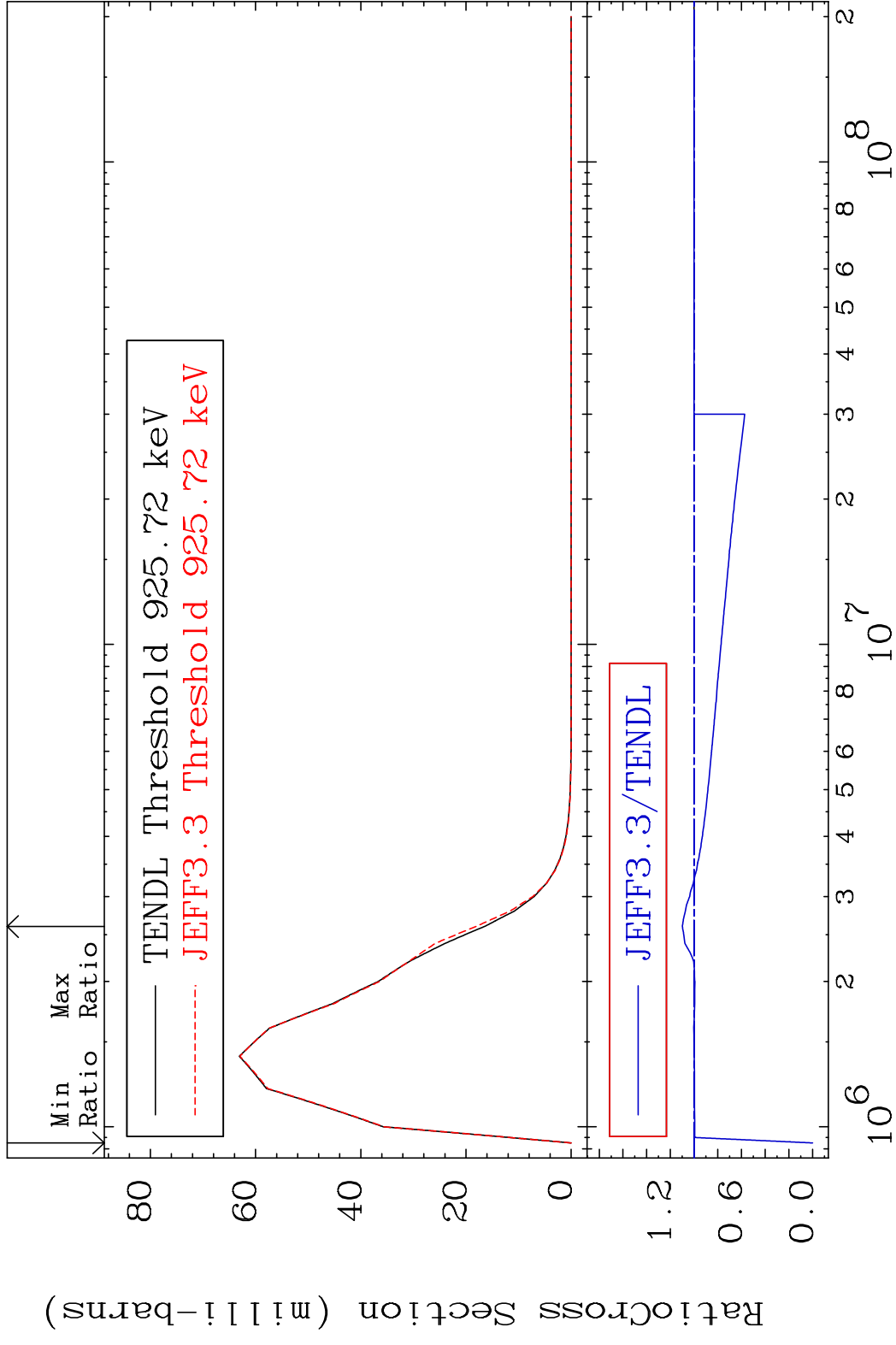
MAT 7825 MT= 53 (n,n') Level 78-Pt-190
 Cross Section -100.0 To 5.819 %



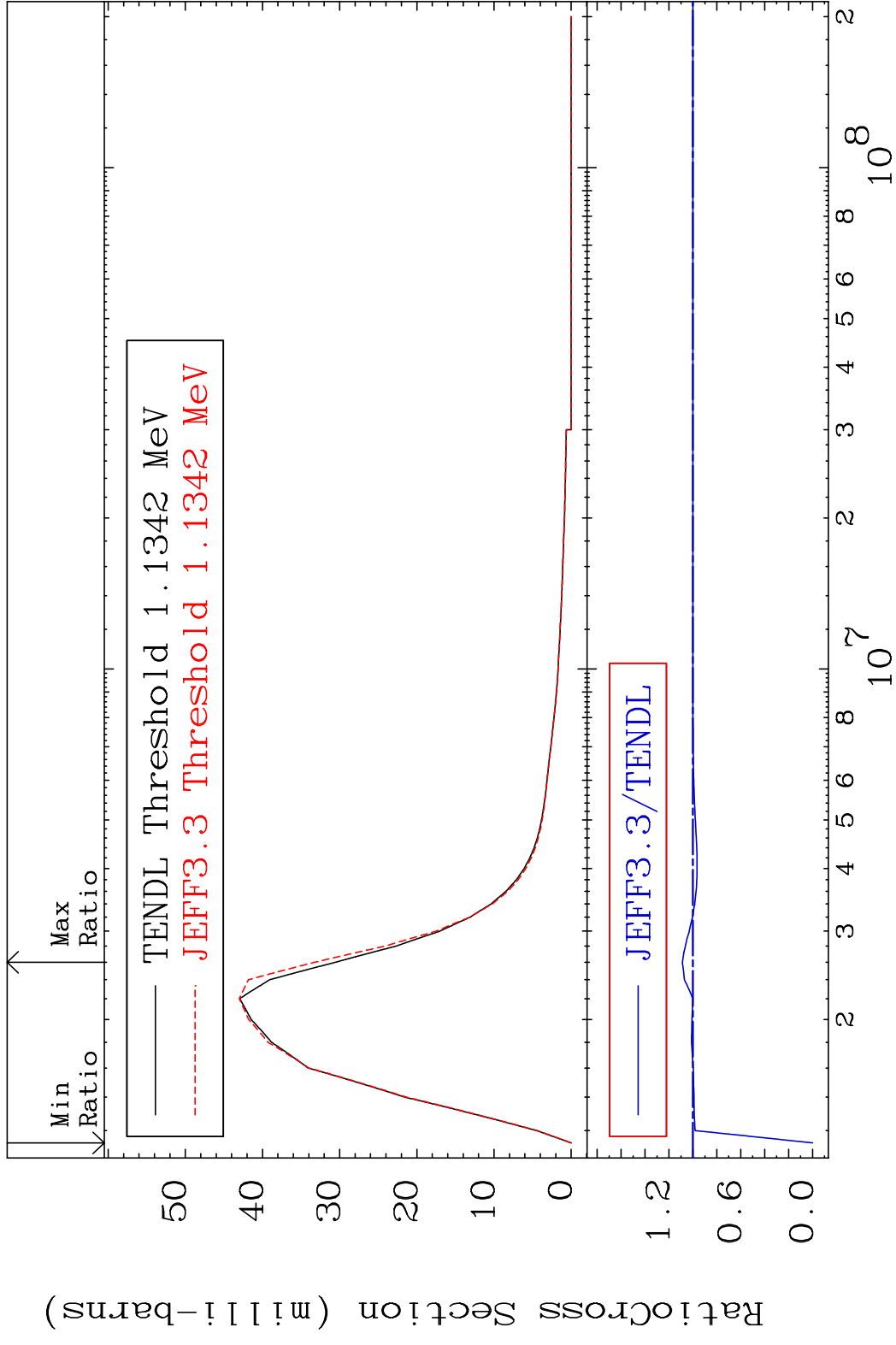
MAT 7825 MT= 54 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 9.699 %



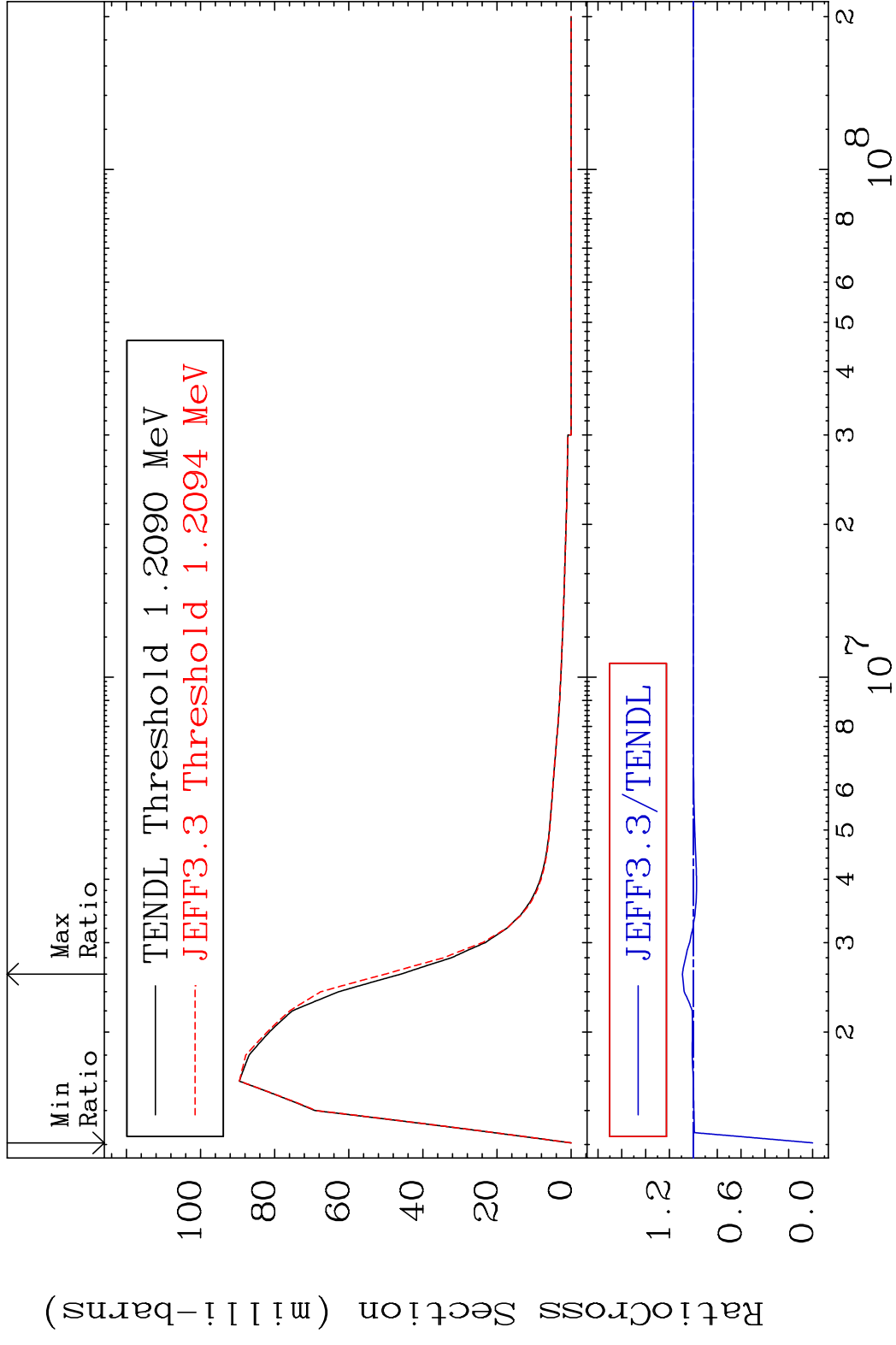
MAT 7825 MT= 55 (n,n') Level 78-Pt-190
 Cross Section -100.0 To 9.887 %



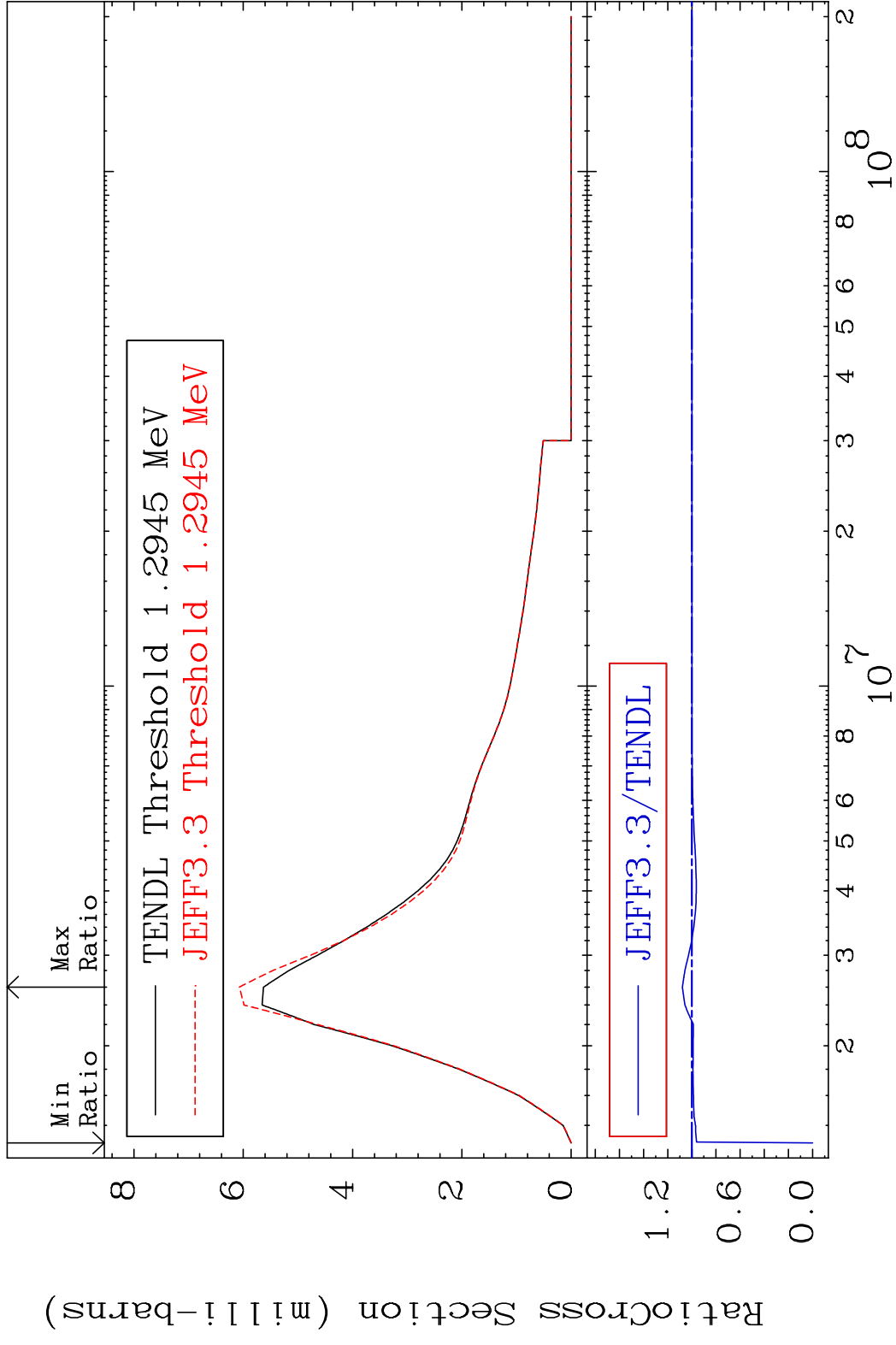
MAT 7825 MT= 56 (n,n') Level 78-Pt-190
 Cross Section -100.0 To 8.807 %



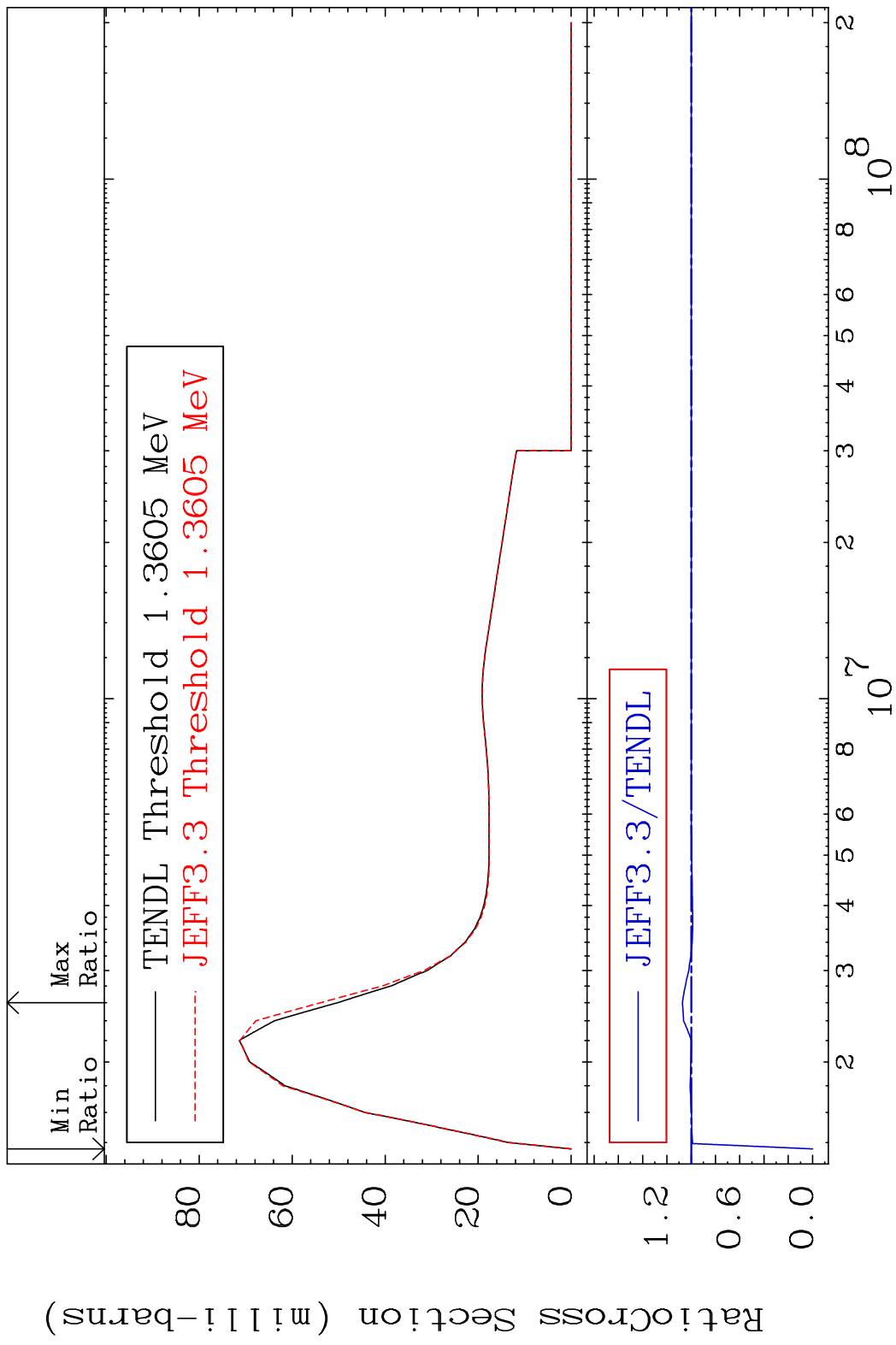
MAT 7825 MT= 57 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 9.211 %



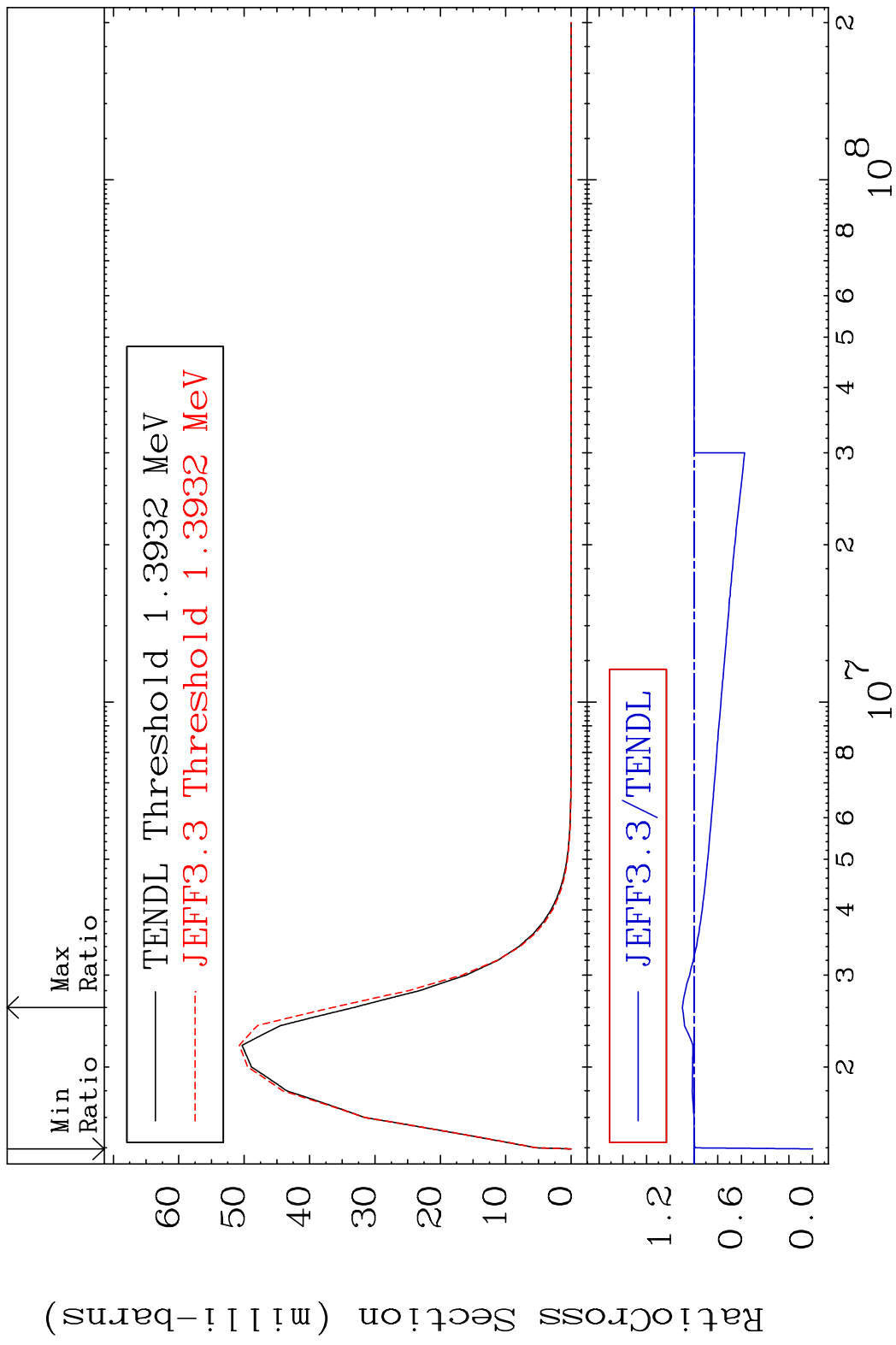
MAT 7825 MT= 58 (n,n') Level 78-Pt-190
 Cross Section -100.0 To 7.880 %



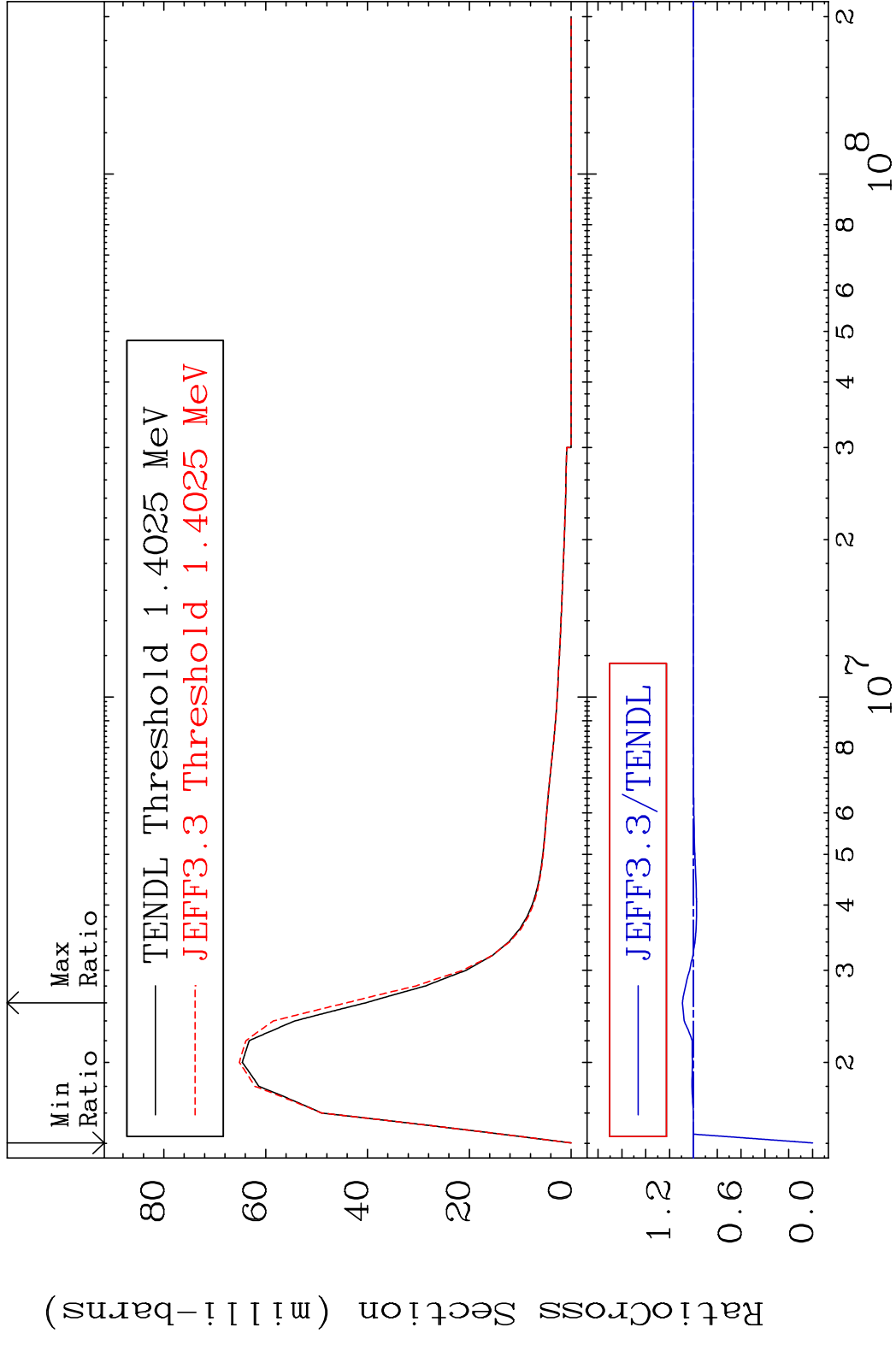
MAT 7825 MT= 59 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 7.274 %



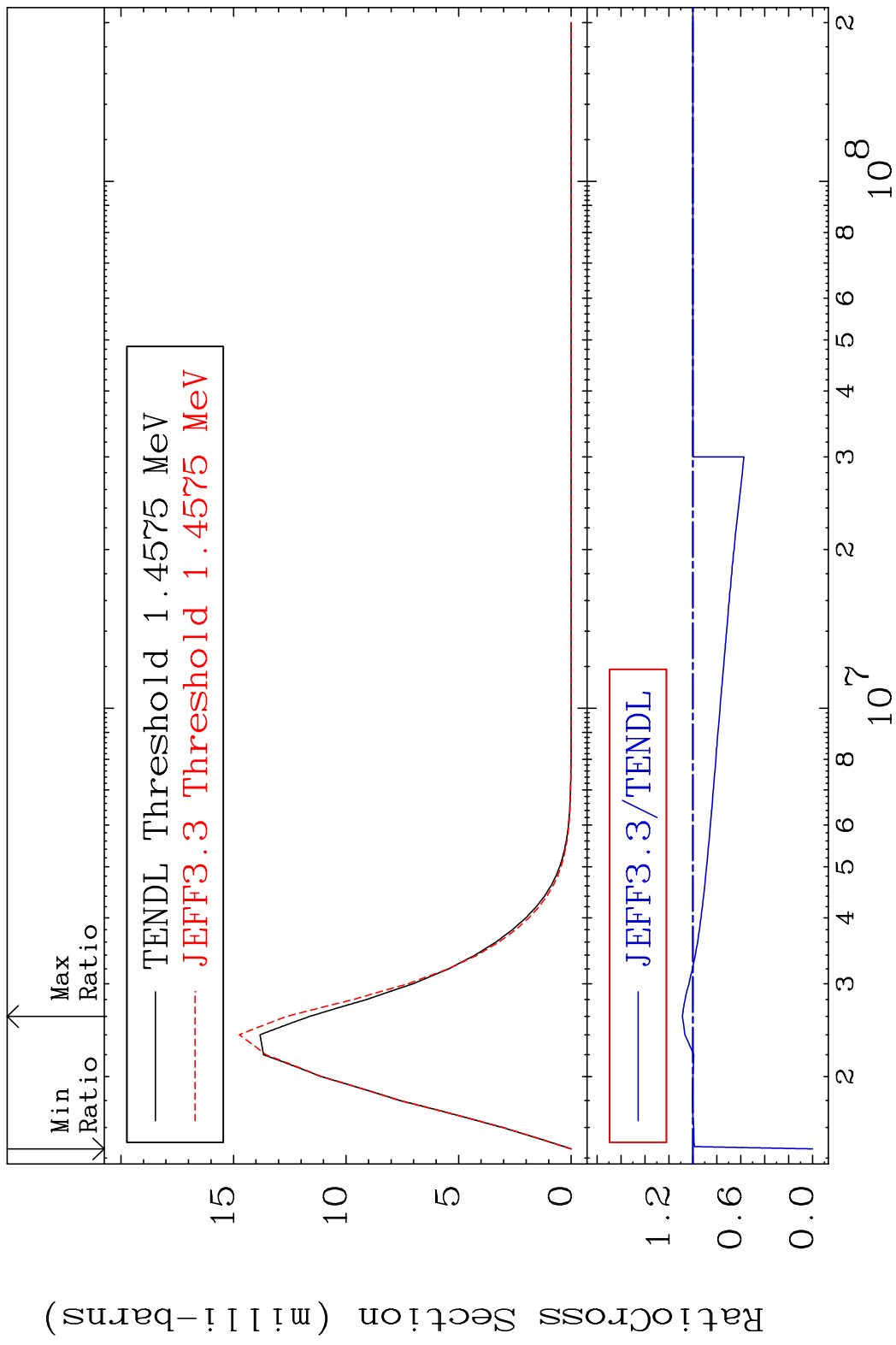
MAT 7825 MT= 60 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 9.797 %



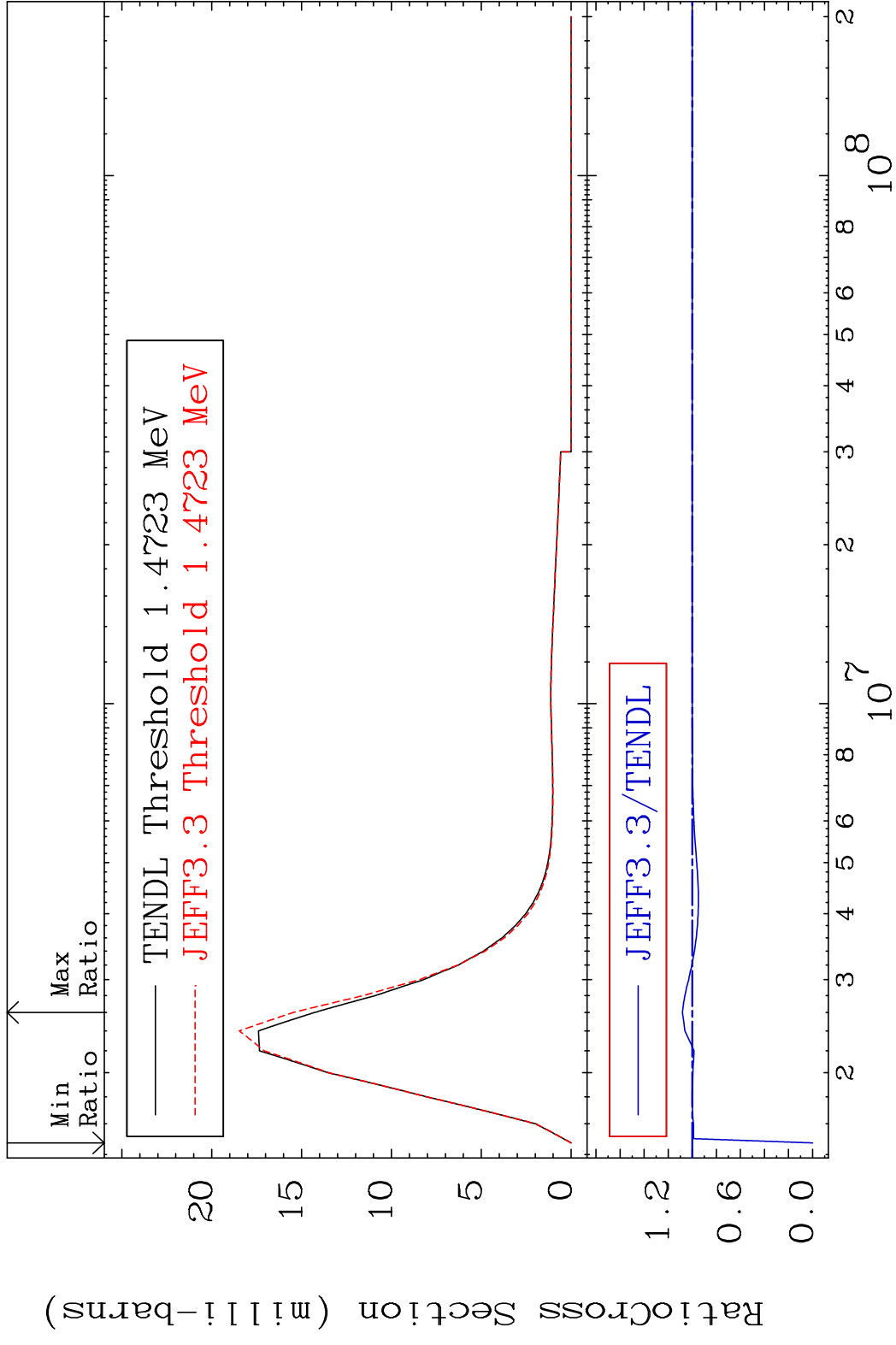
MAT 7825 MT= 61 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 9.284 %



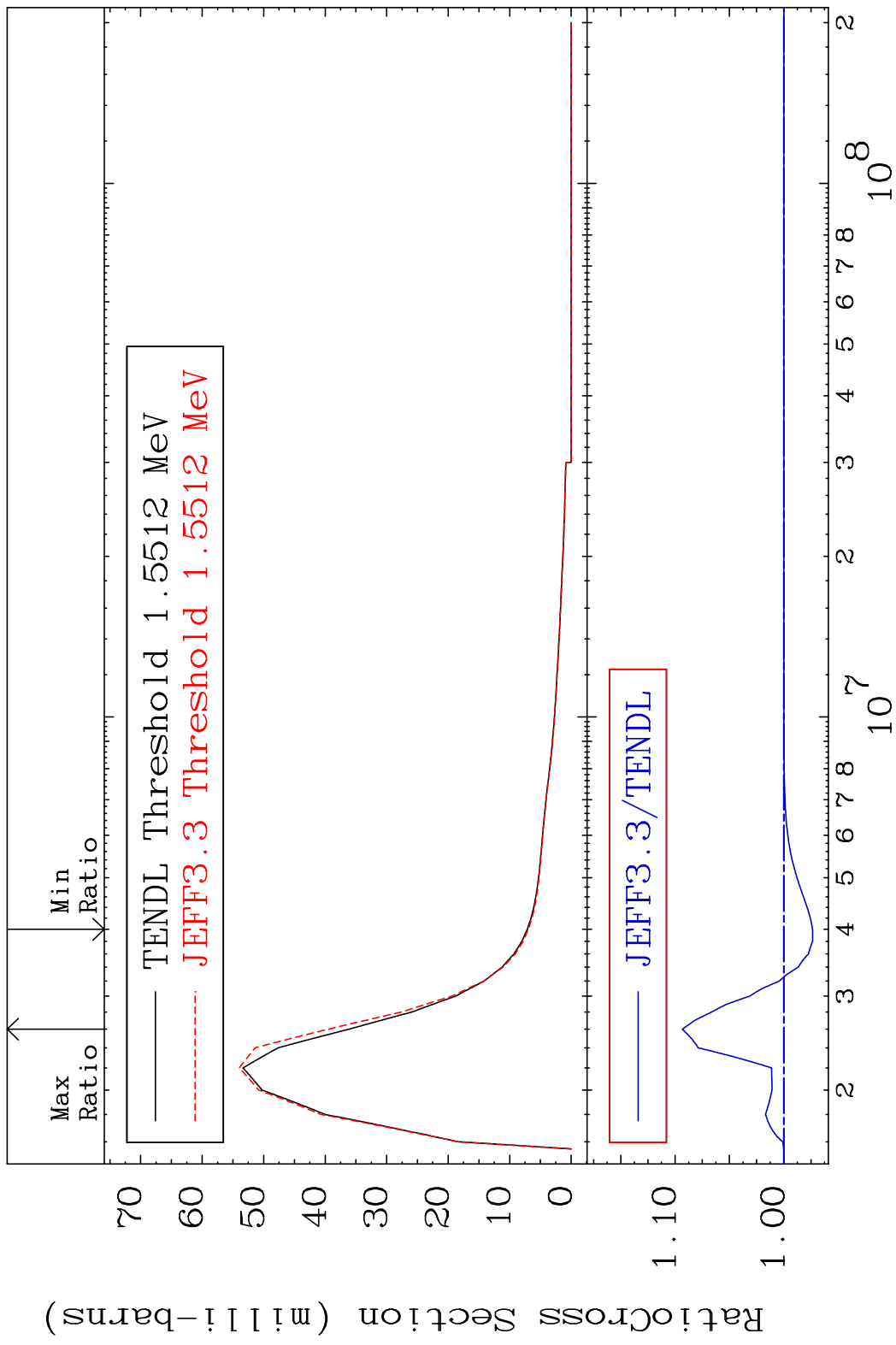
MAT 7825 MT= 62 (n,n') Level 78-Pt-190
 Cross Section -100.0 To 8.757 %



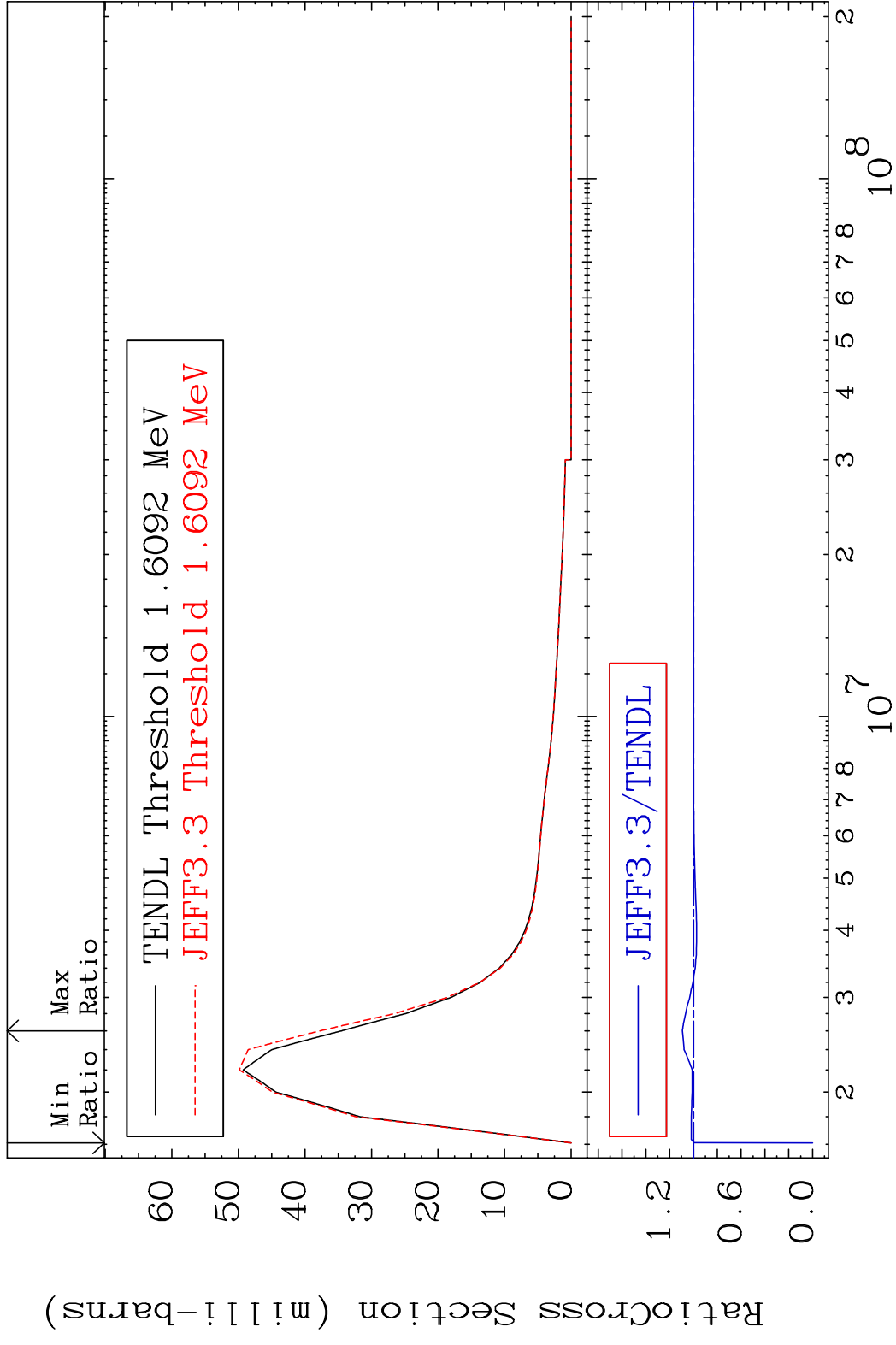
MAT 7825 MT= 63 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 8.245 %



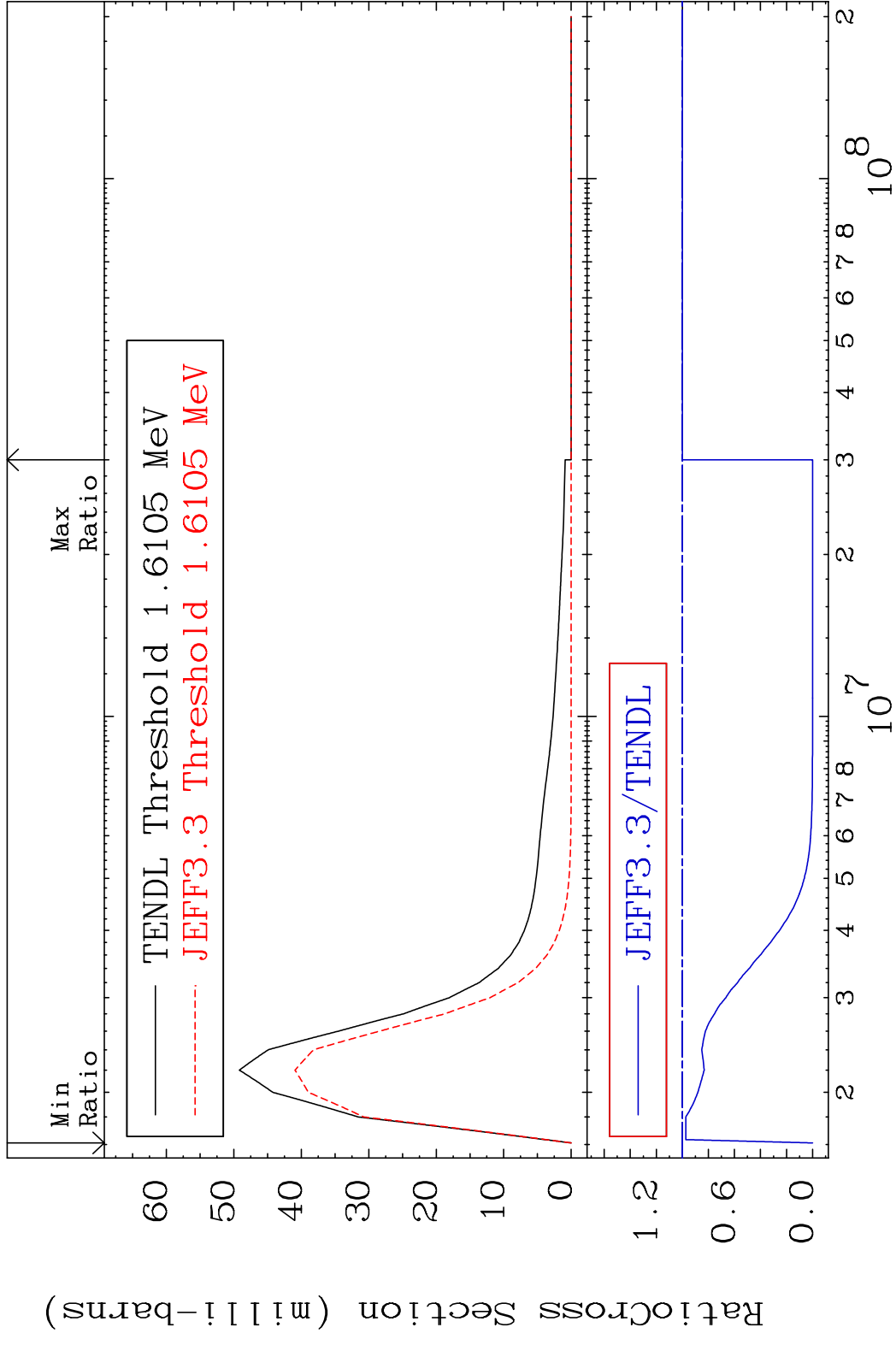
MAT 7825 MT= 64 (n,n') Level 78-Pt-190
 Cross Section -2.646 To 9.332 %



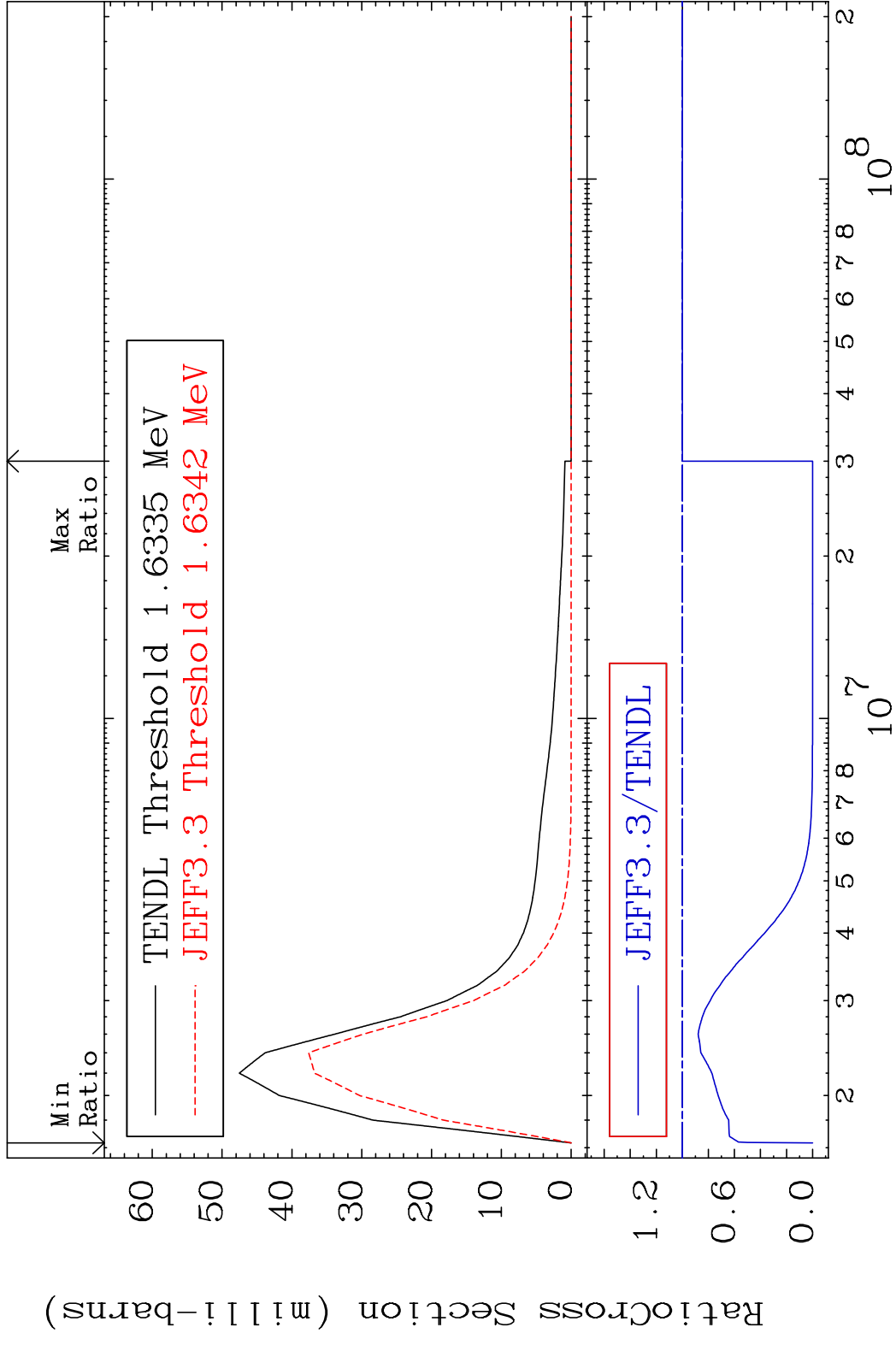
MAT 7825 MT= 65 (n,n') Level 78-Pt-190
 Cross Section -100.0 To 9.345 %



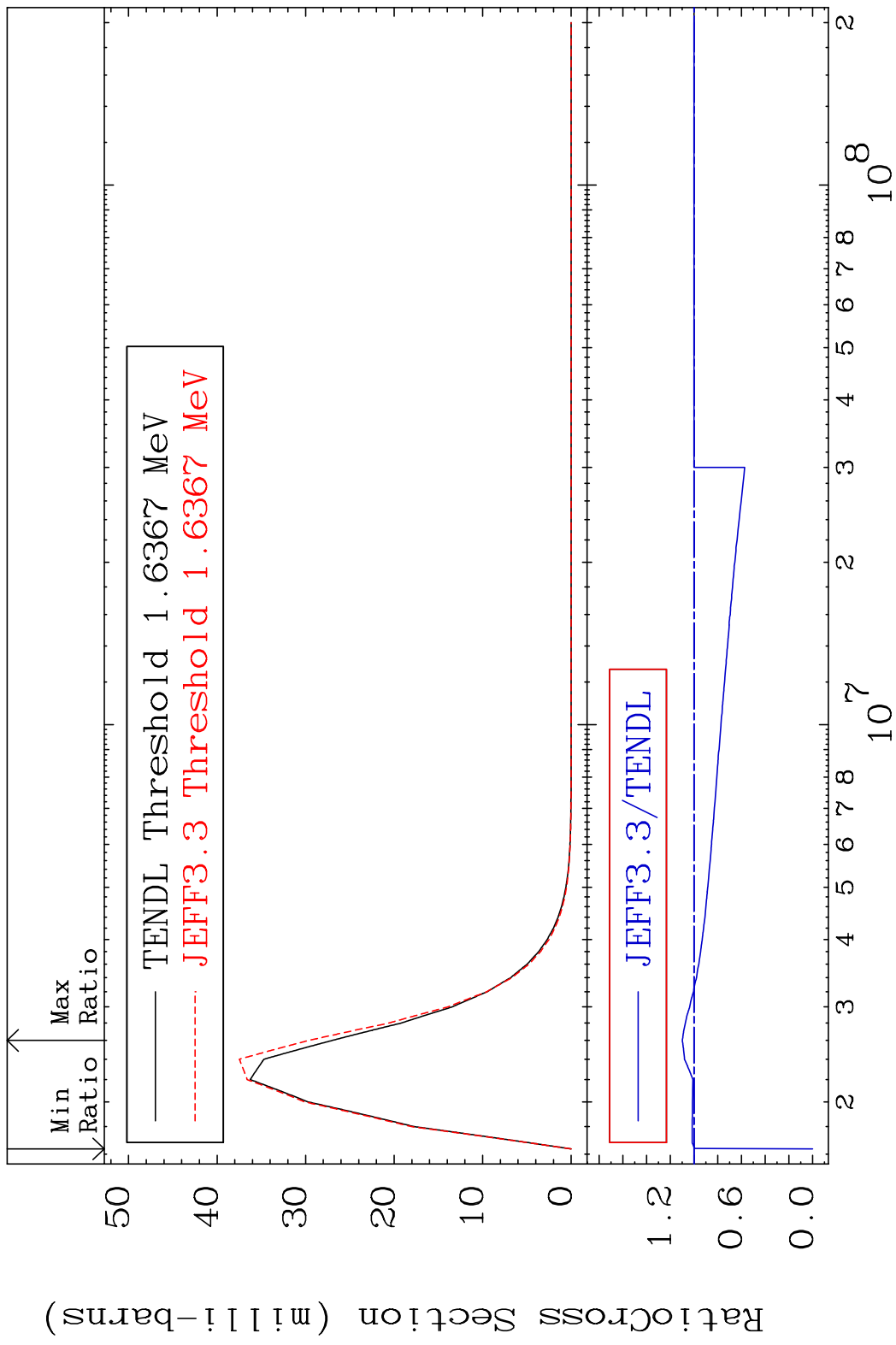
MAT 7825 MT= 66 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 0.000 %



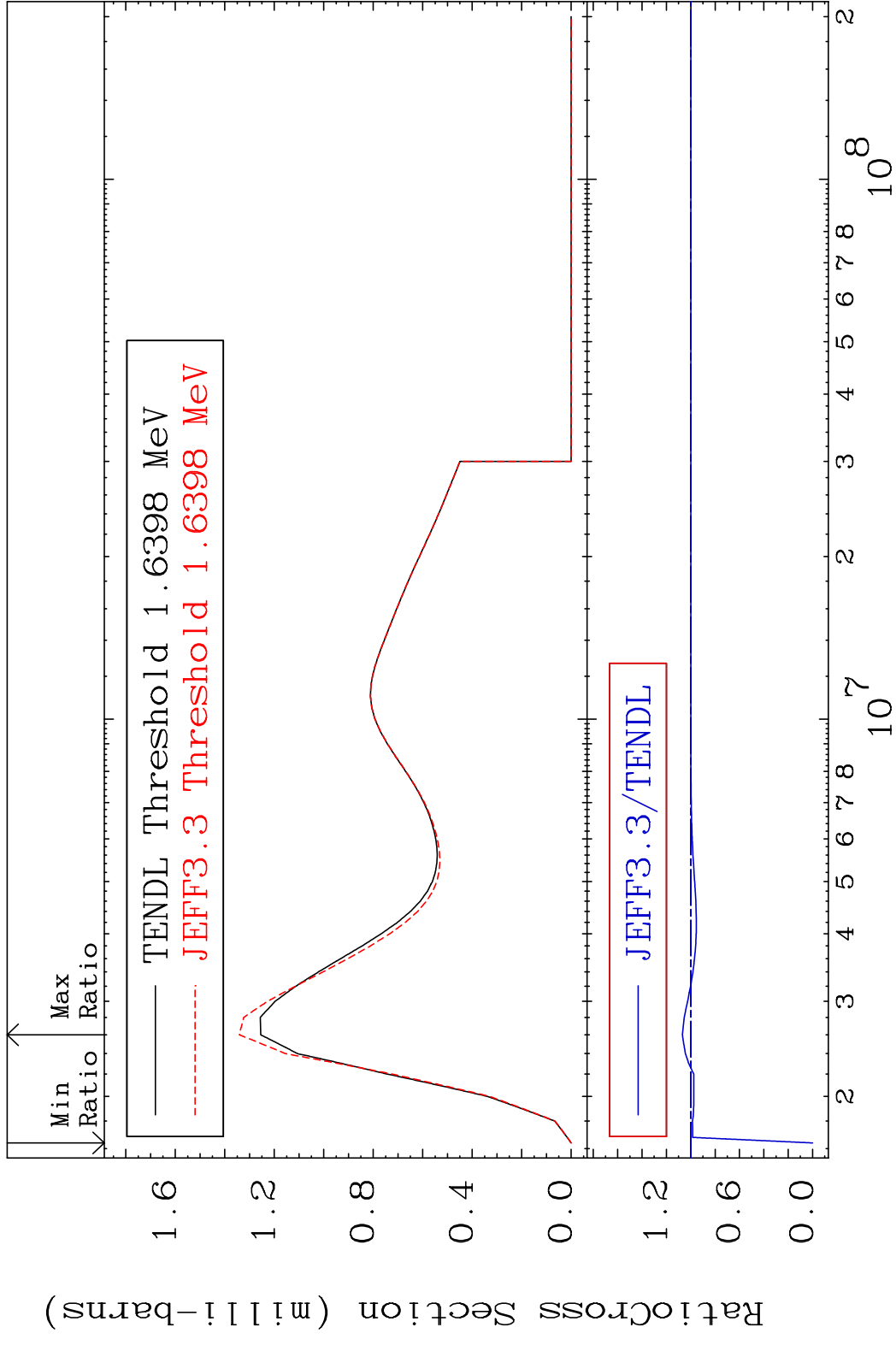
MAT 7825 MT= 67 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 0.000 %



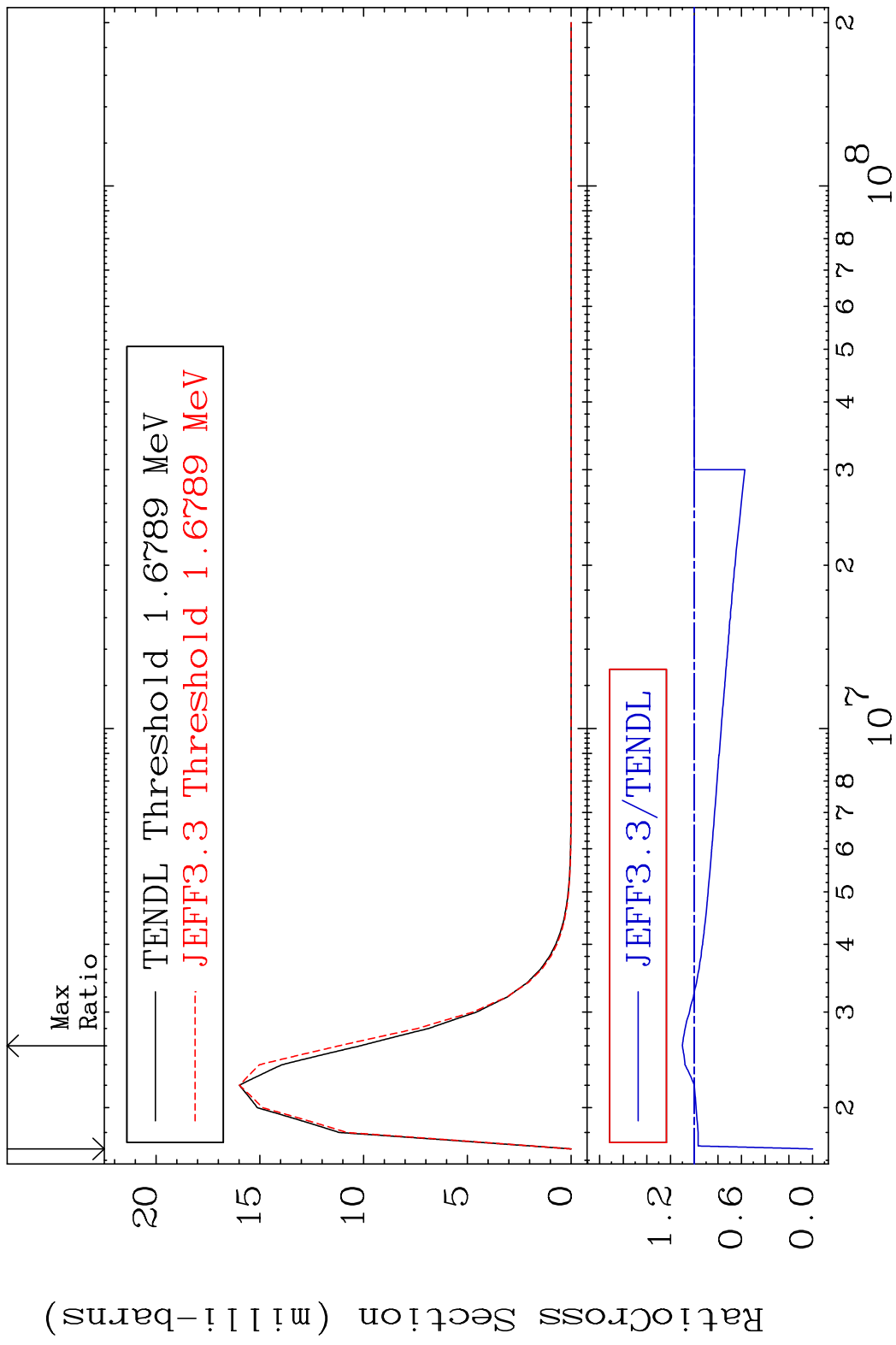
MAT 7825 MT= 68 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 9.842 %



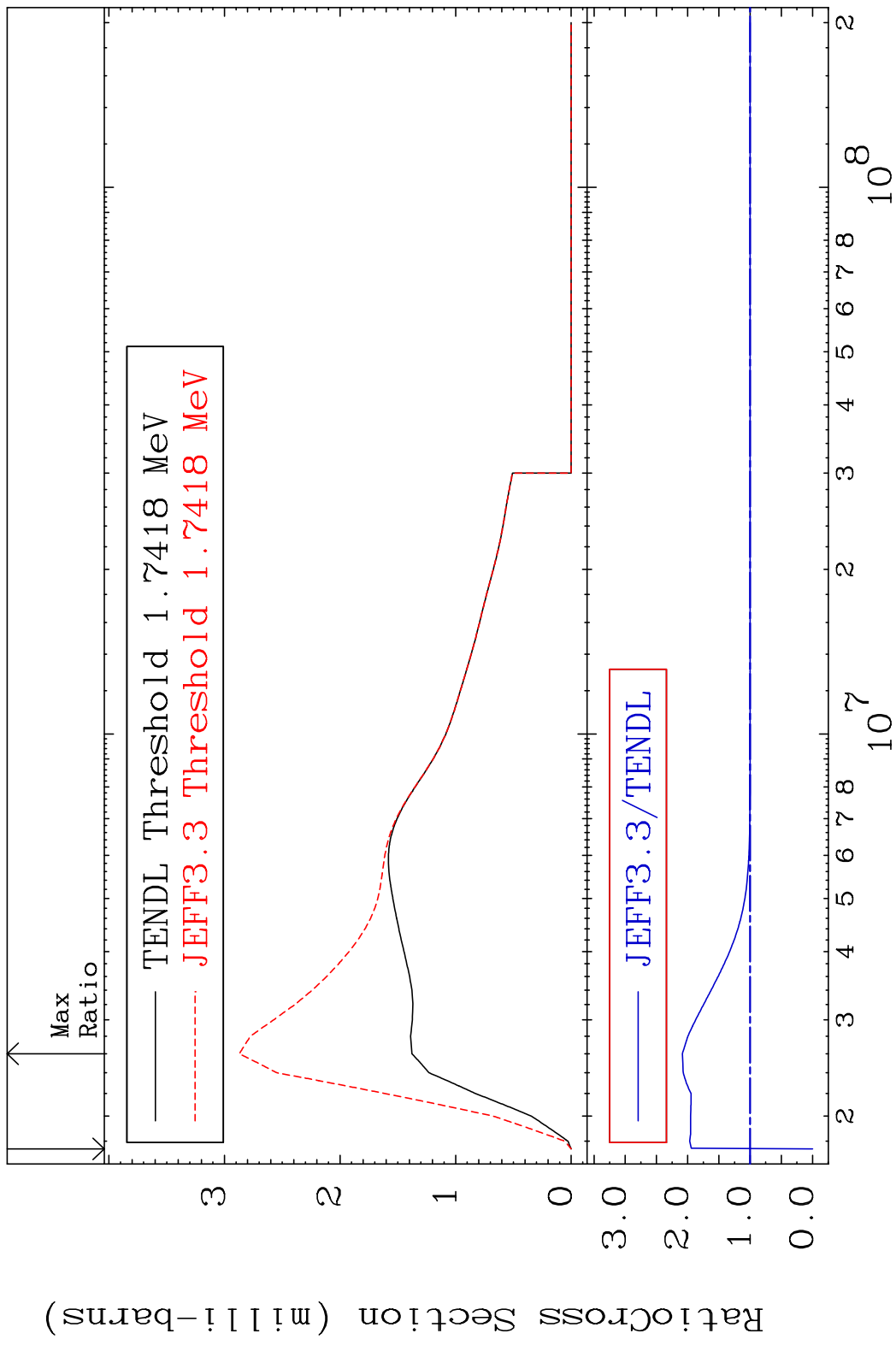
MAT 7825 MT= 69 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 6.898 %



MAT 7825 MT= 70 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 10.04 %

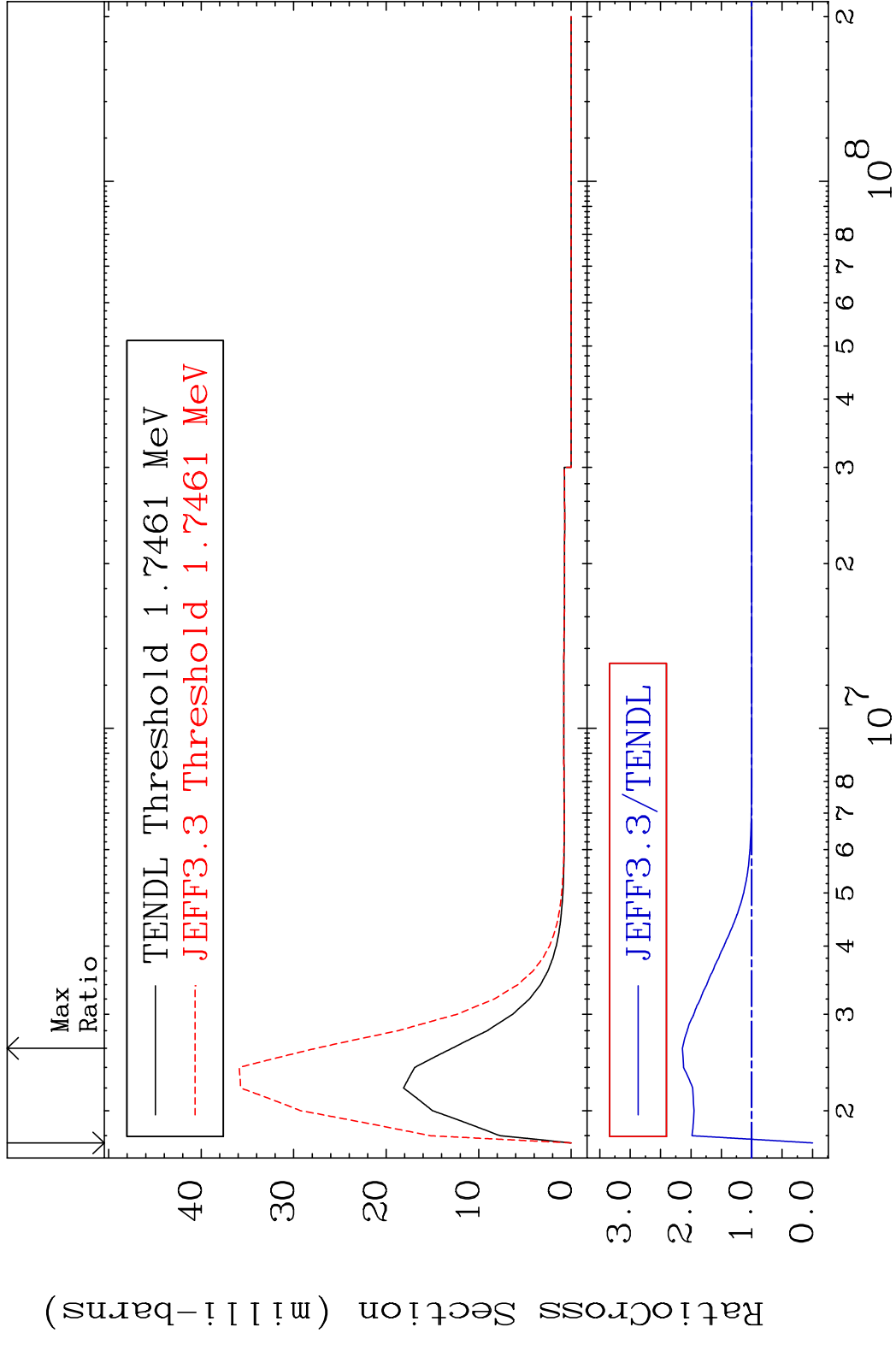


MAT 7825 MT= 71 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 108.6 %

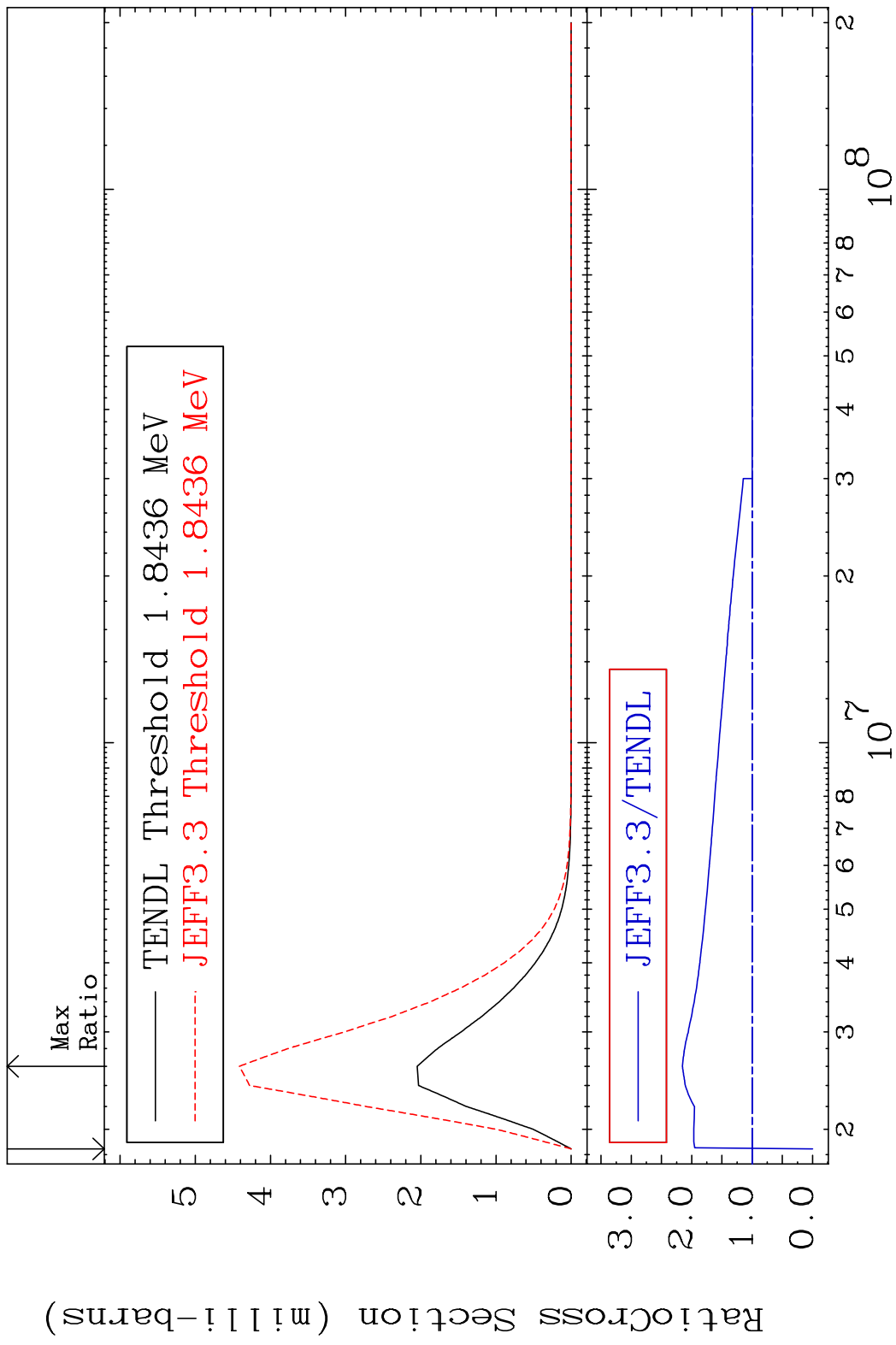


40 Incident Energy (eV) 78-Pt-190

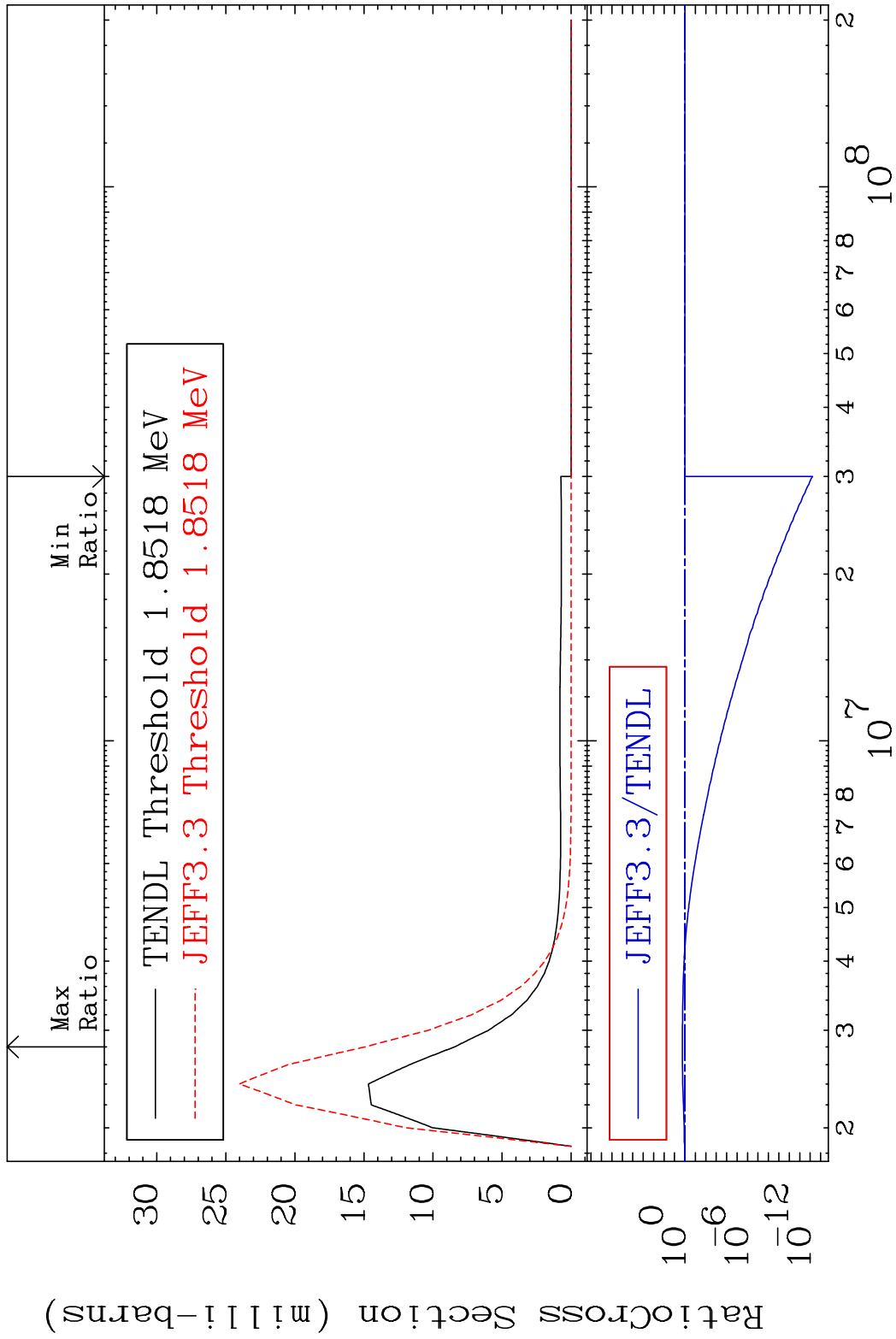
MAT 7825 MT= 72 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 114.1 %



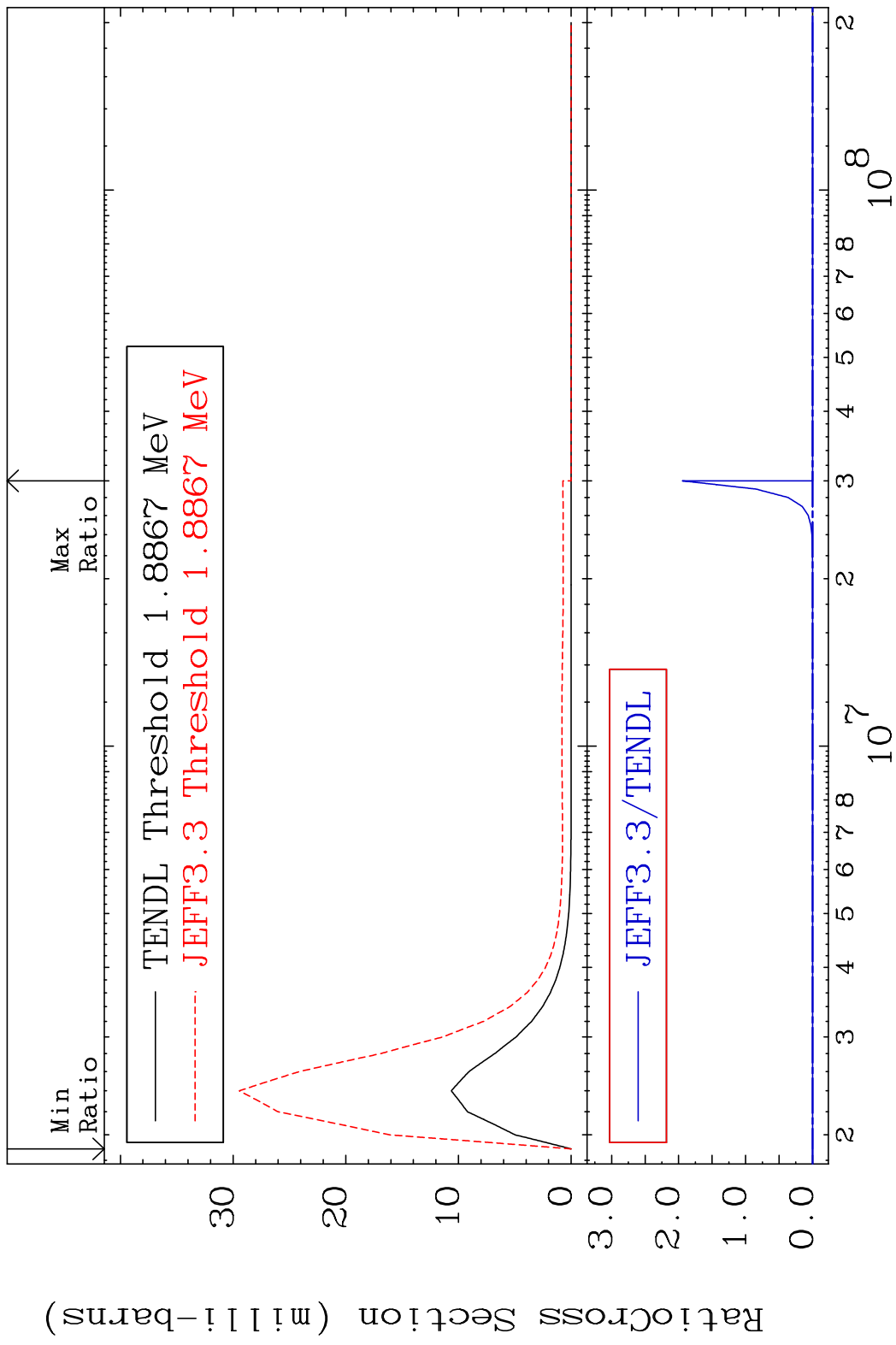
MAT 7825 MT= 73 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 115.5 %



MAT 7825 MT= 74 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 76.51 %



MAT 7825 MT= 75 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 9999. %

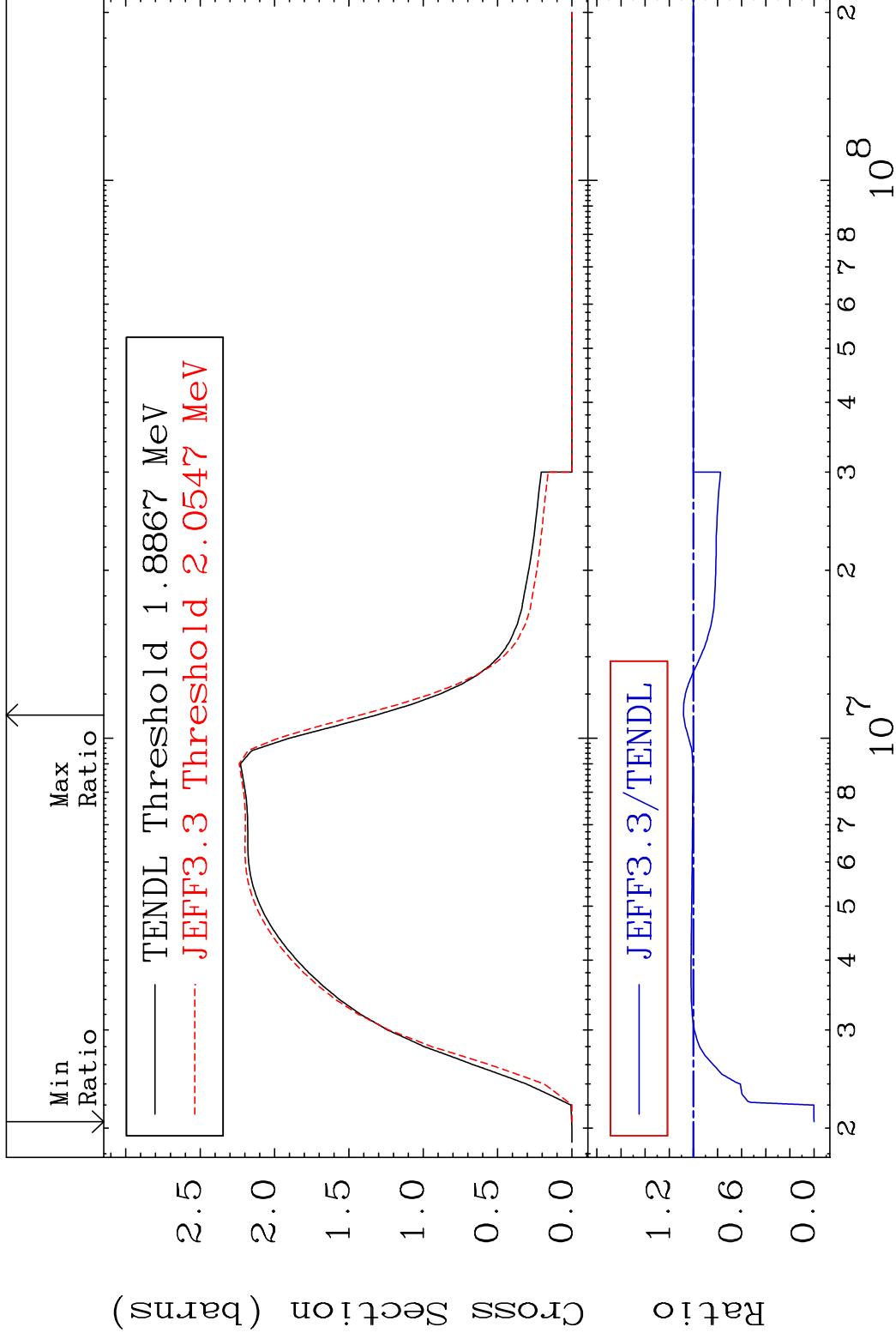


MAT 7825

(n, n') Continuum

78-Pt-190

Cross Section -100.0 To 8.256 %



45

Incident Energy (eV)

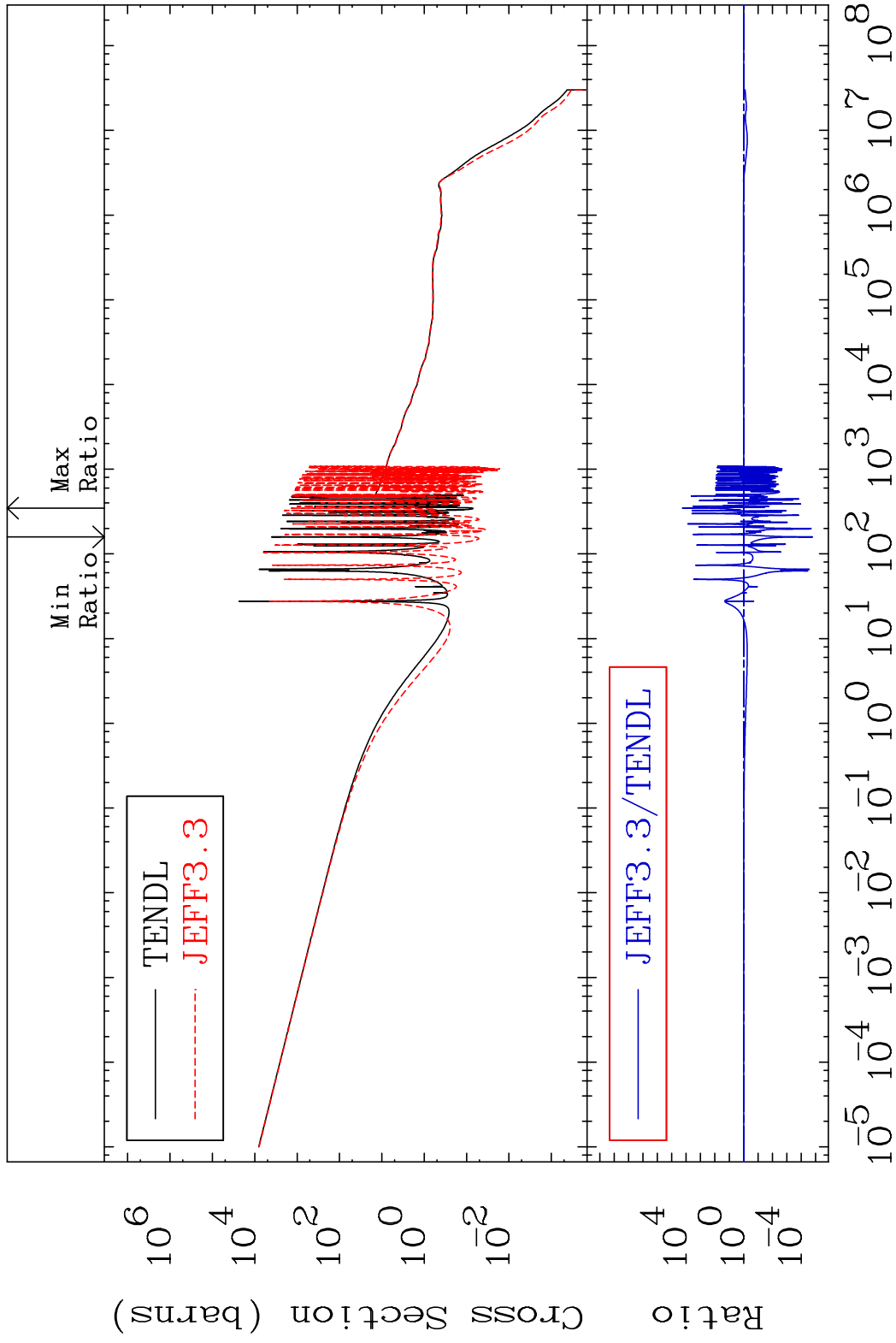
78-Pt-190

MAT 7825

(n, γ)

78-Pt-190

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

78-Pt-190

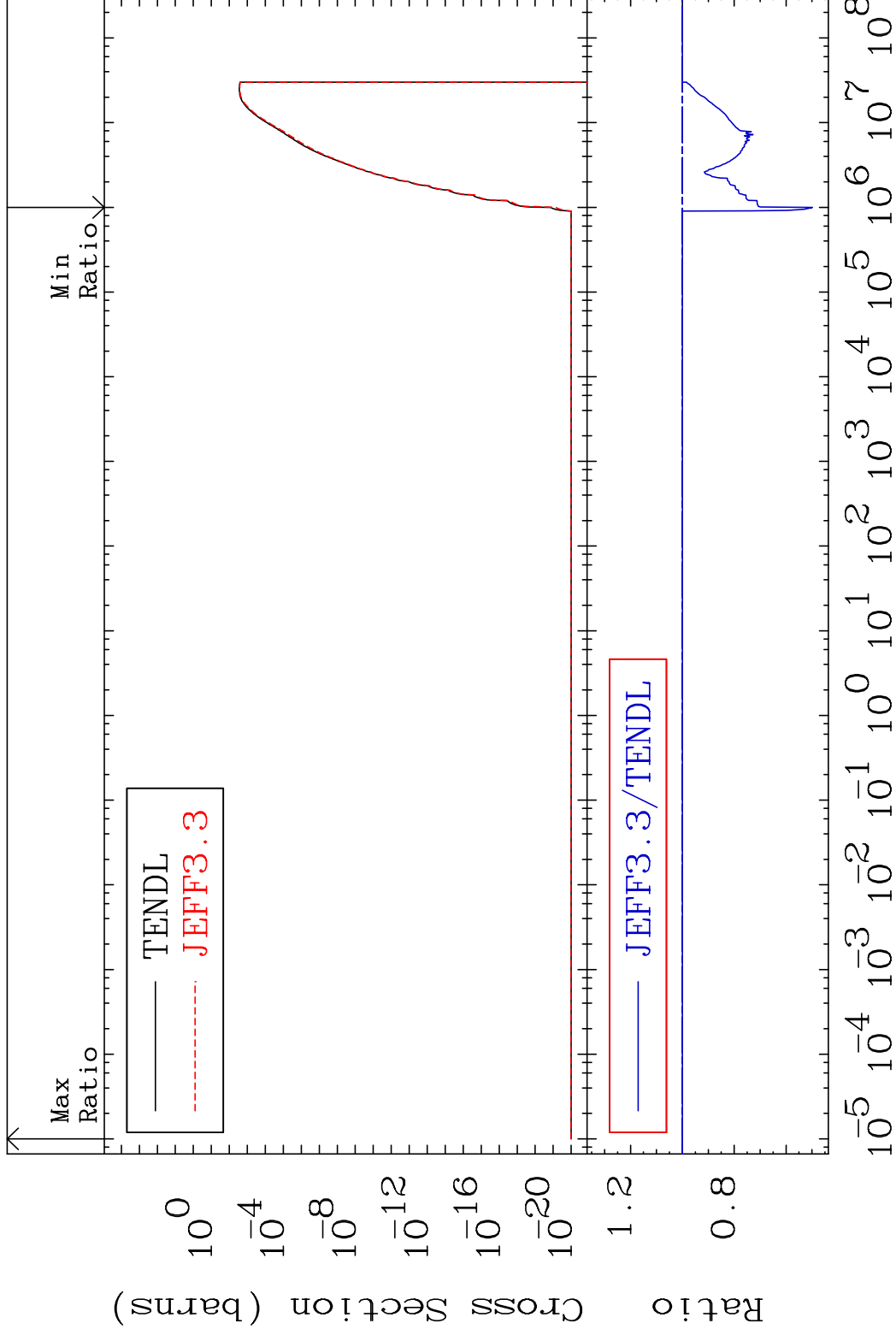
MAT 7825

(n, p)

78-Pt-190

Cross Section

-50.23 To 0.000 %

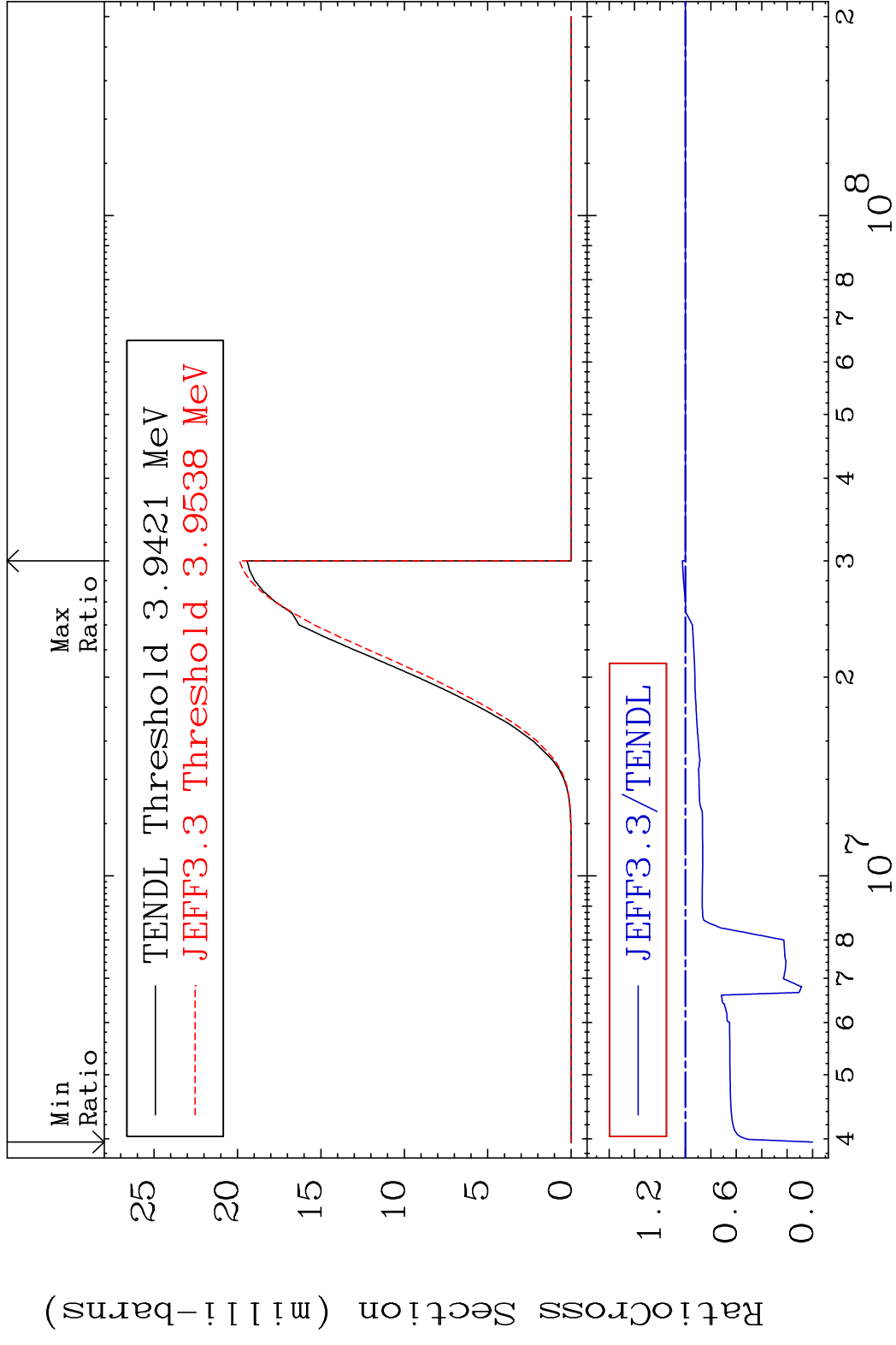


47

Incident Energy (eV)

78-Pt-190

MAT 7825 (n,d) 78-Pt-190
 Cross Section -100.0 To 2.380 %

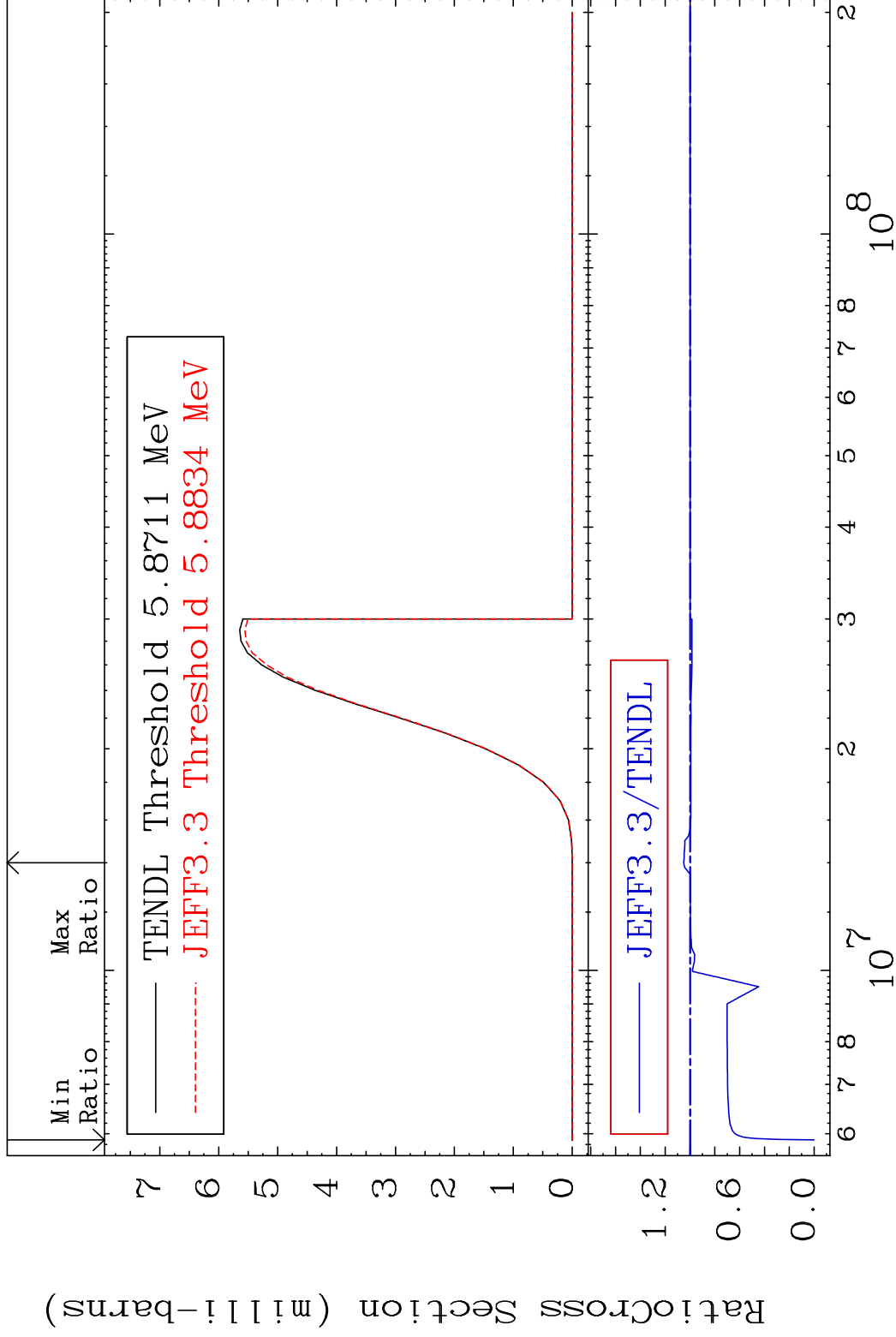


MAT 7825

(n, t)

78-Pt-190

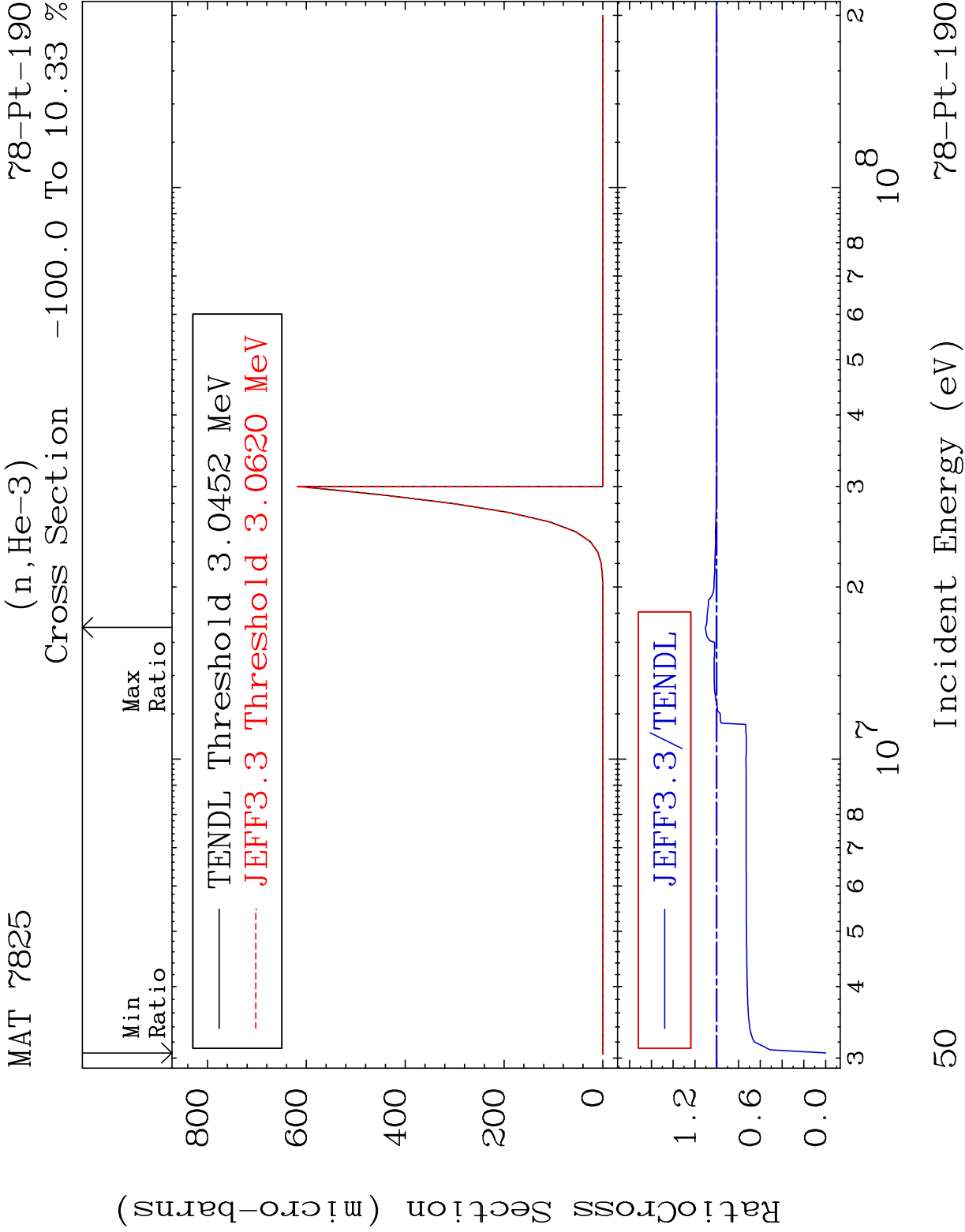
Cross Section -100.0 To 5.109 %



49

Incident Energy (eV)

78-Pt-190

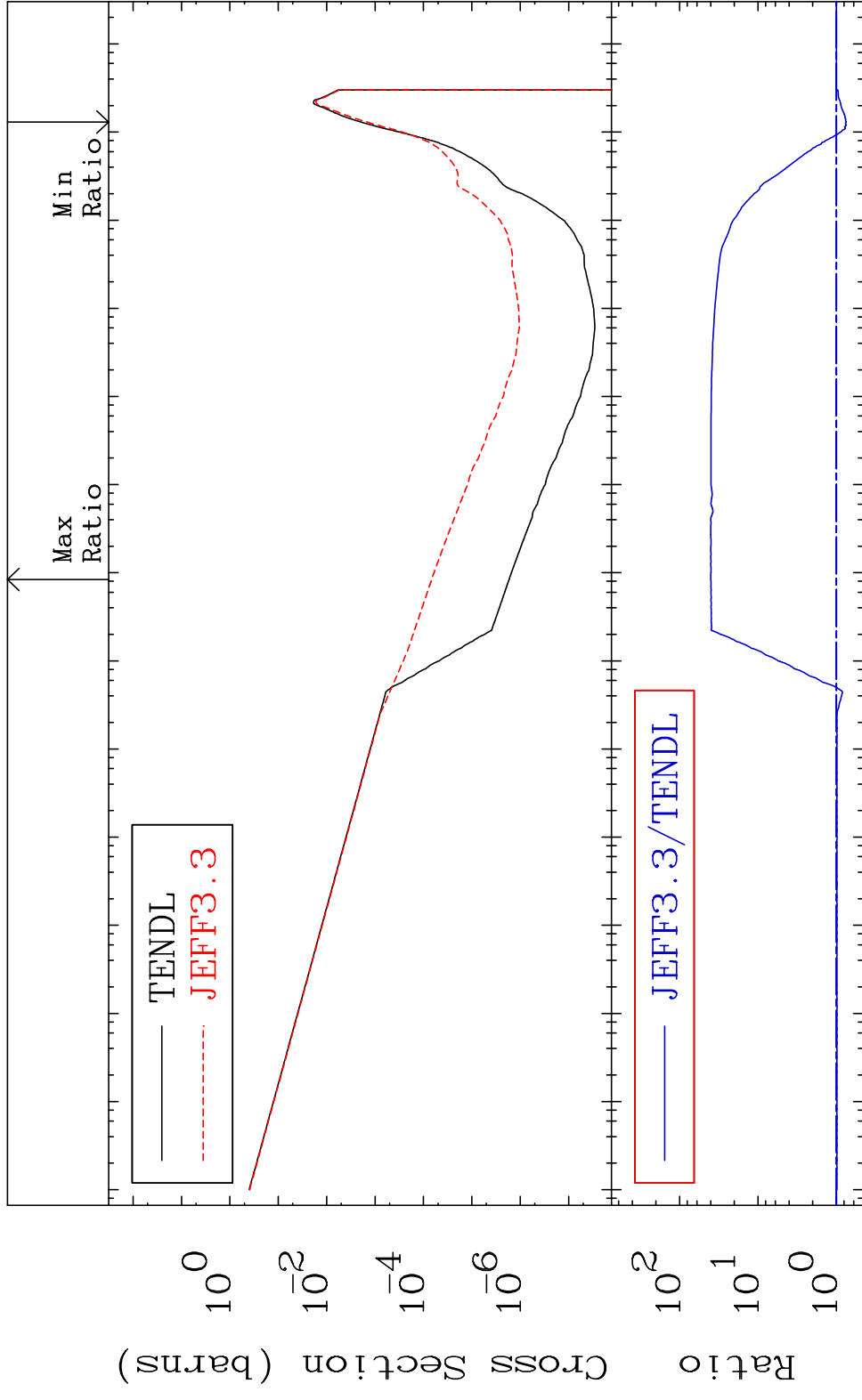


MAT 7825

78-Pt-190

(n, α)

Cross Section -25.52 To 3901. %



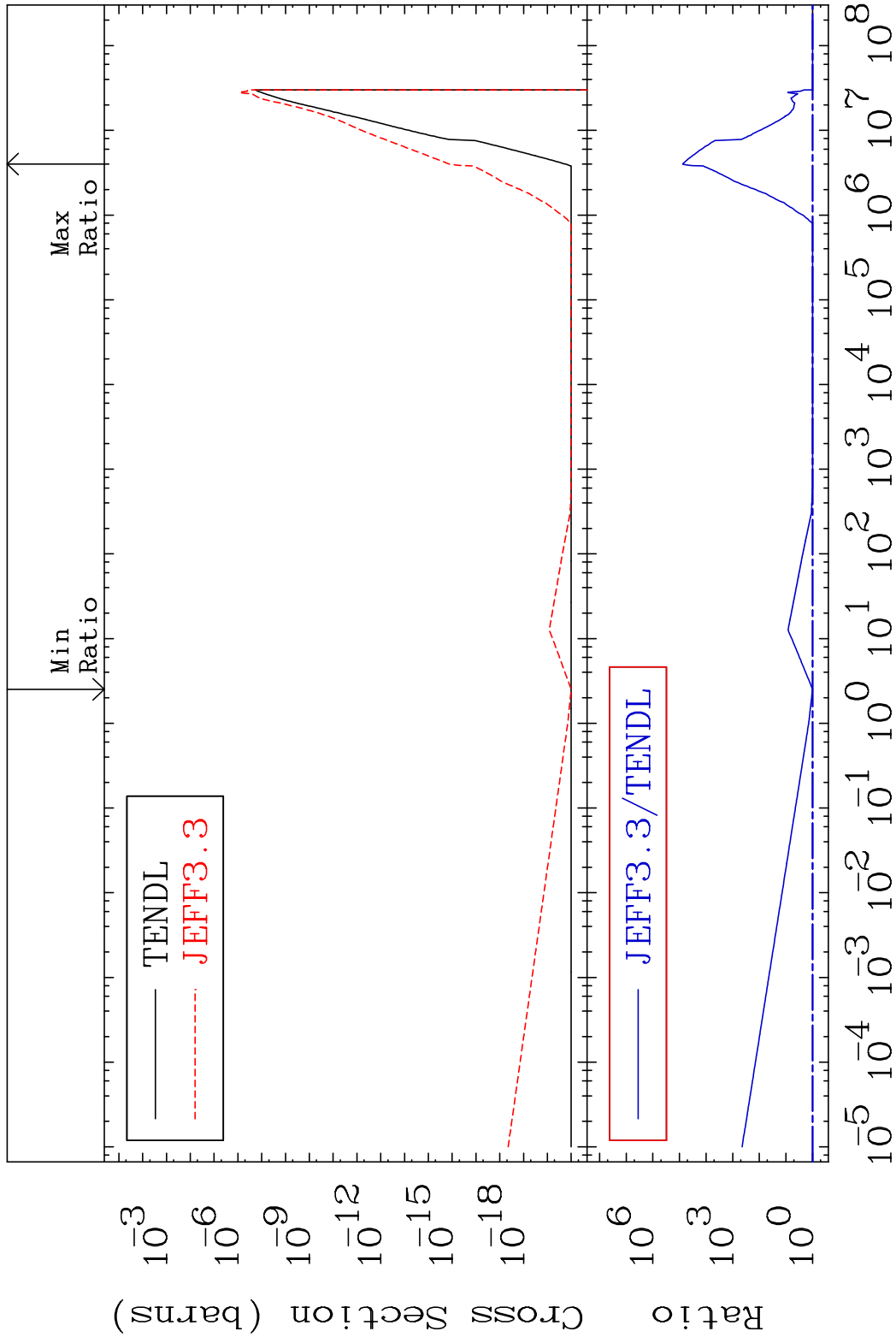
10⁰
10⁻²
10⁻⁴
10⁻⁶
10²
10¹
10⁰
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

MAT 7825

(n, 2α)

78-Pt-190

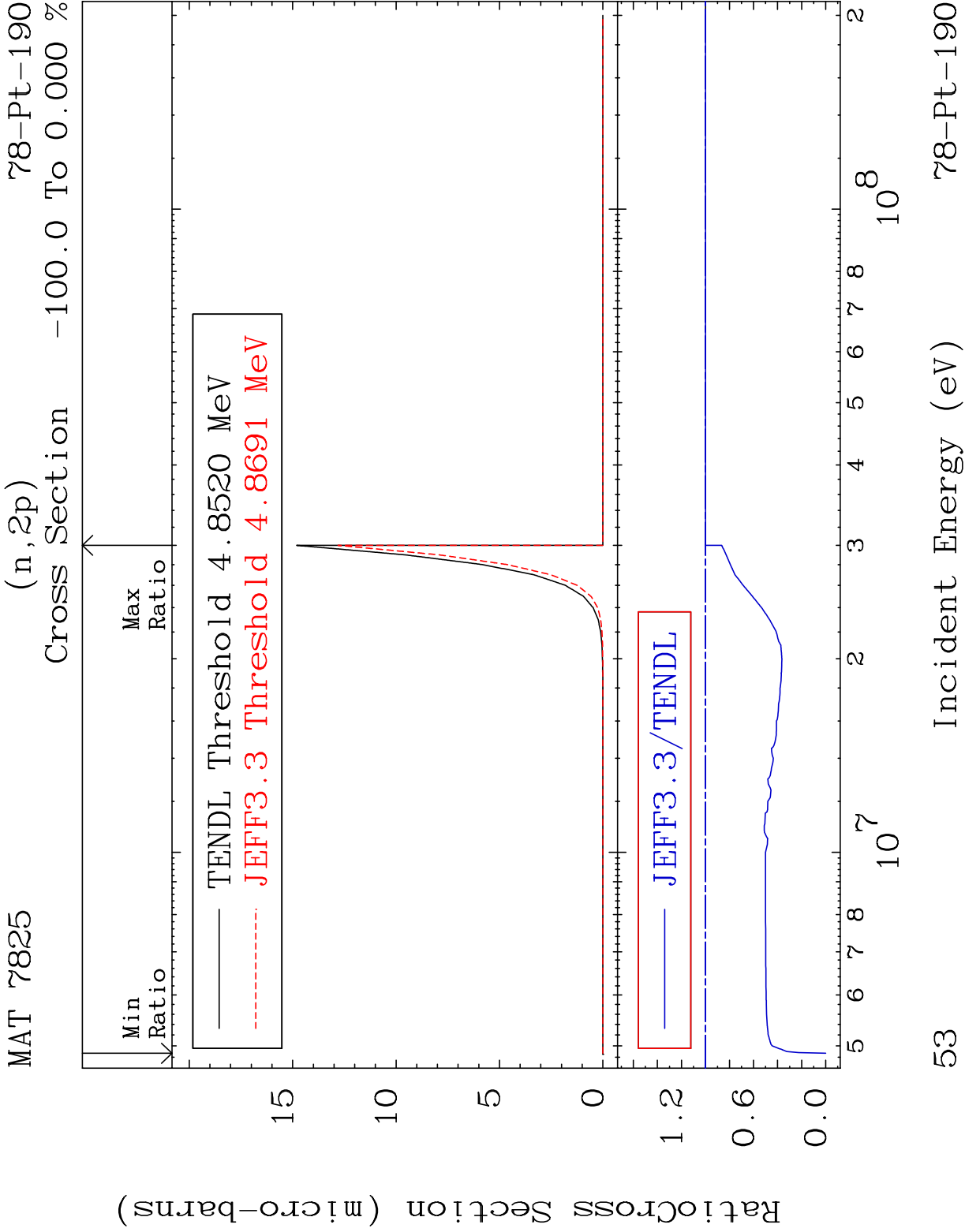
Cross Section 0.000 To 9999. %



52

Incident Energy (eV)

78-Pt-190

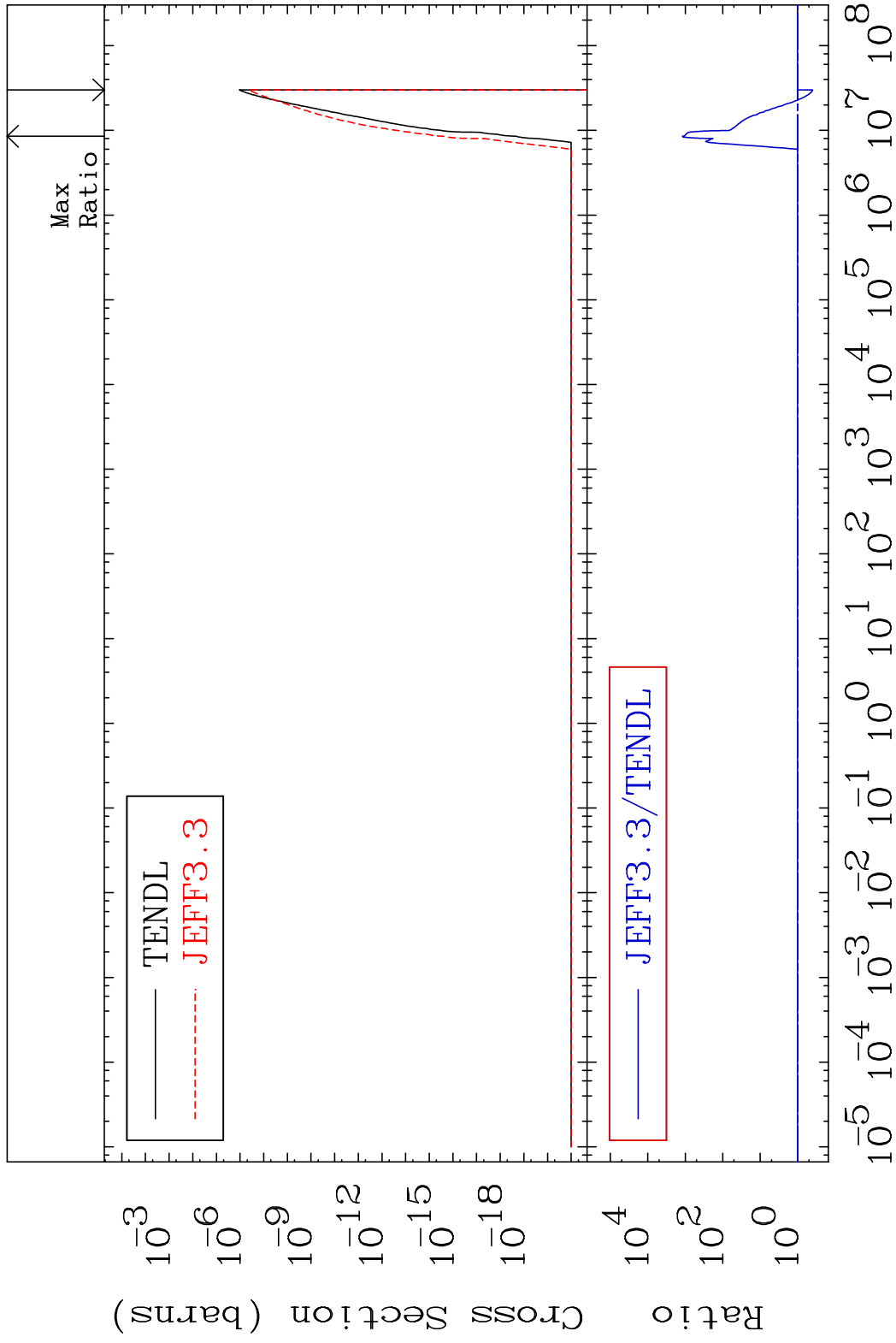


MAT 7825

(n,p) α

78-Pt-190

Cross Section -60.04 To 9999. %

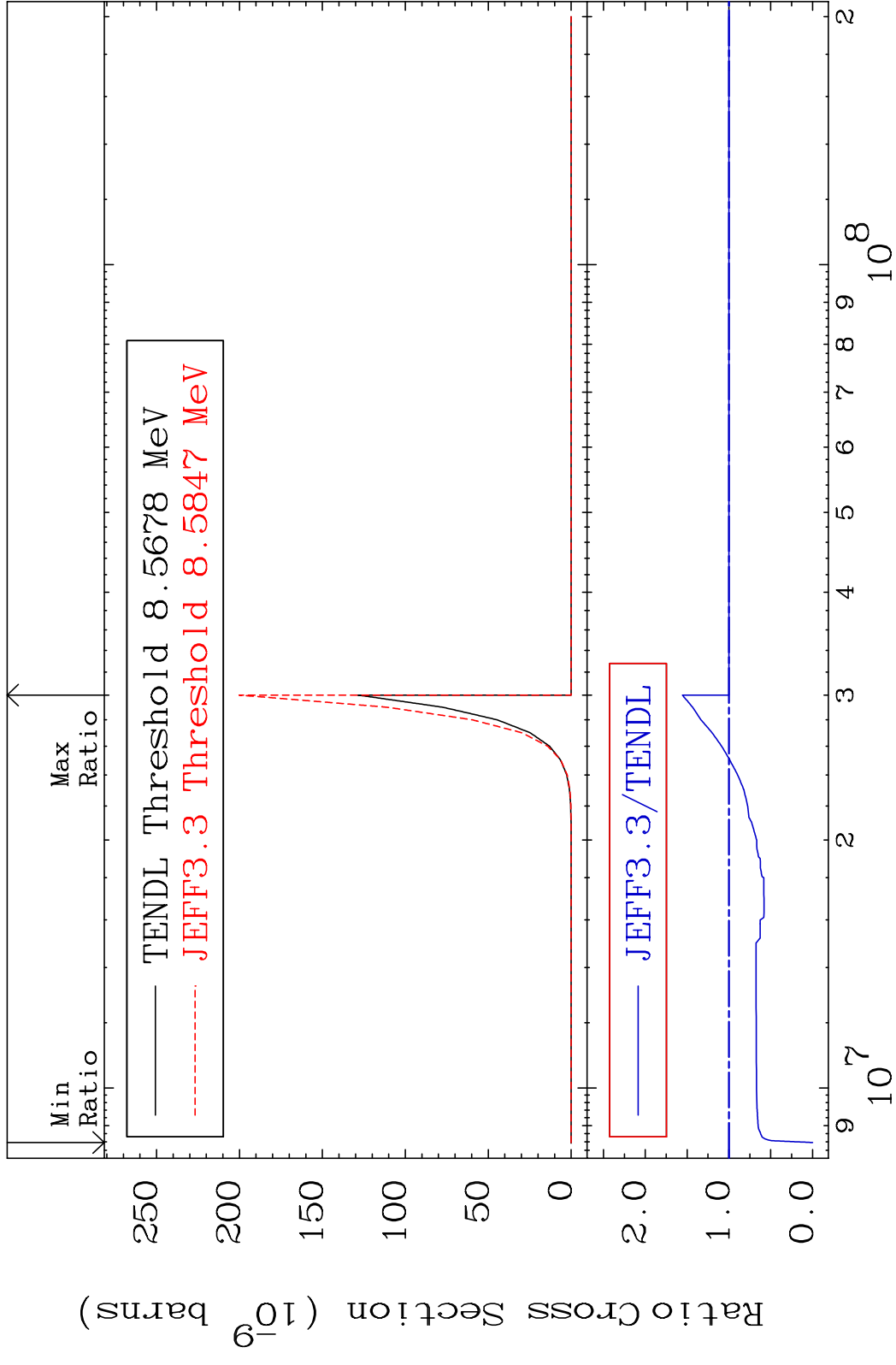


MAT 7825

(n,p) d

78-Pt-190

Cross Section -100.0 To 55.67 %

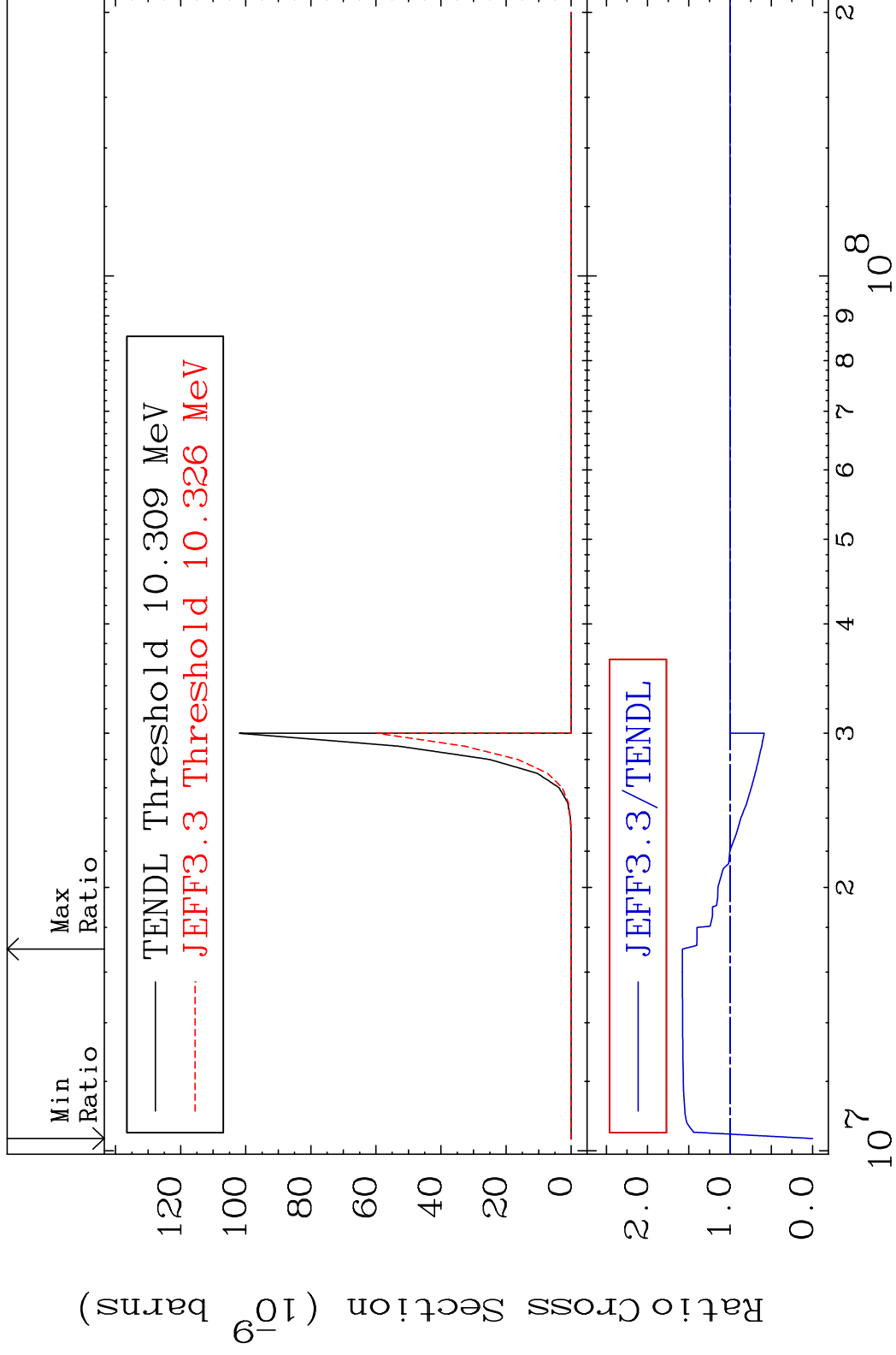


MAT 7825

(n,p) t

78-Pt-190

Cross Section -100.0 To 57.86 %



56

Incident Energy (eV)

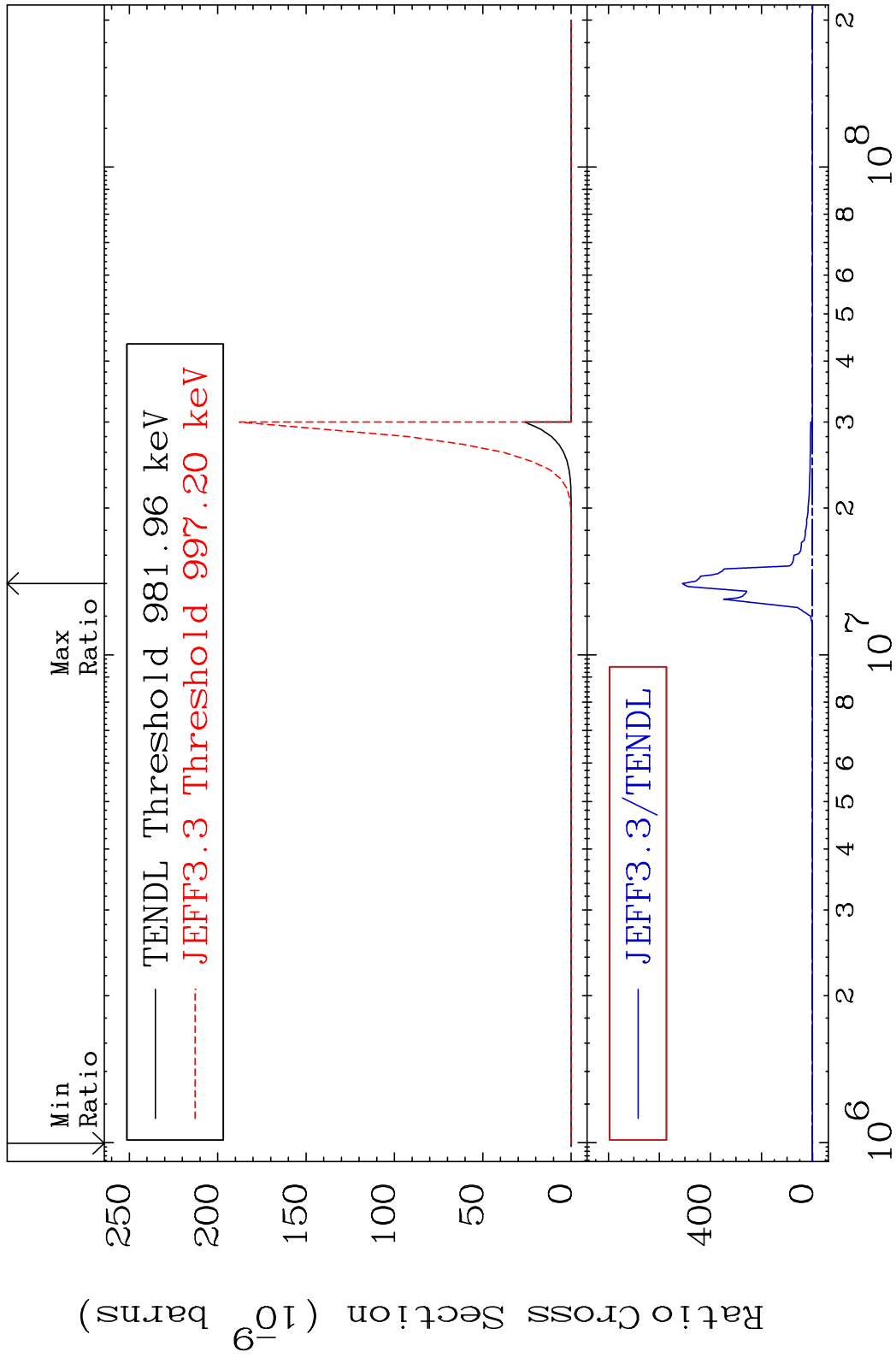
78-Pt-190

MAT 7825

(n, d) α

78-Pt-190

Cross Section -100.0 To 9999. %



57

Incident Energy (eV)

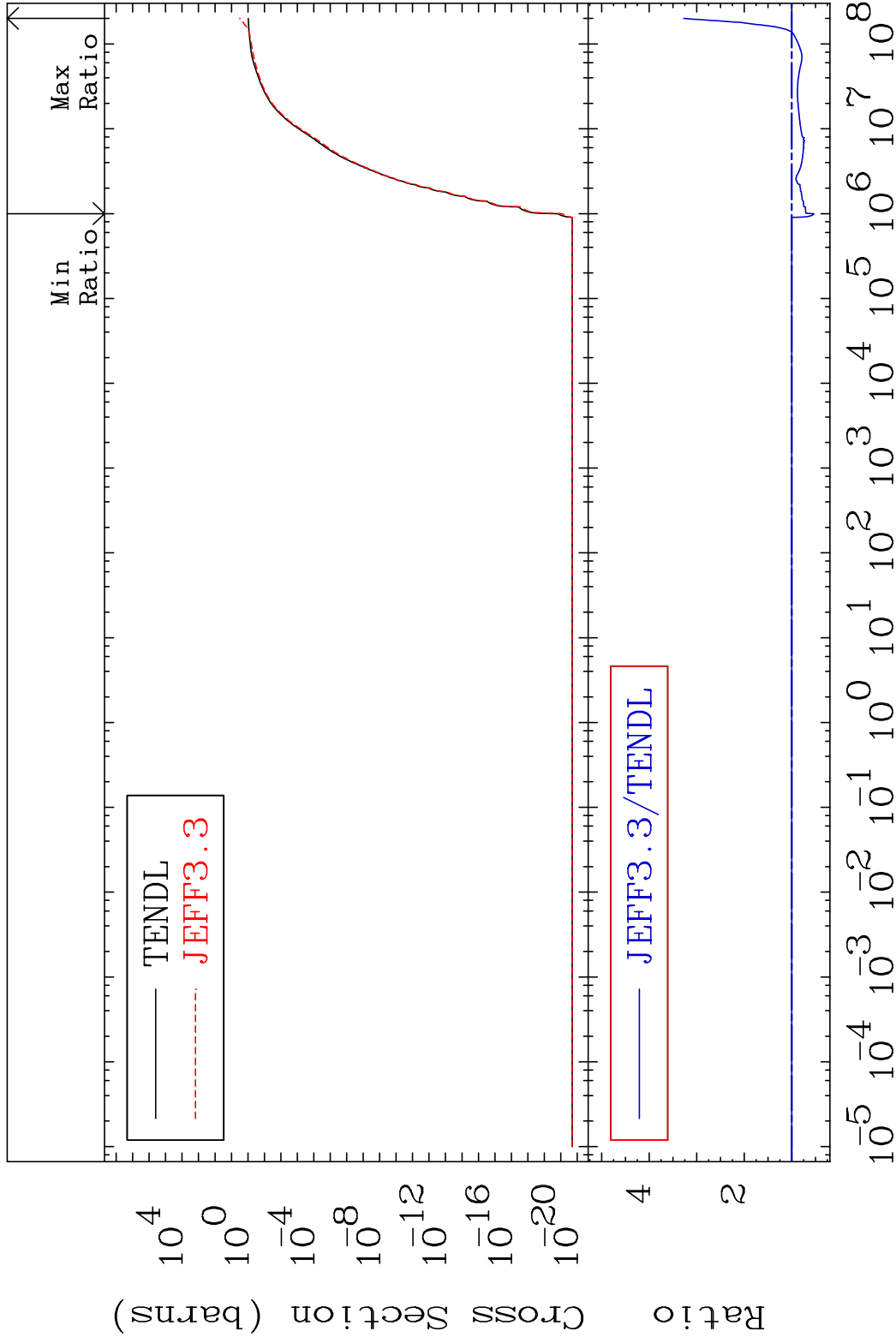
78-Pt-190

MAT 7825

Hydrogen Production

78-Pt-190

Cross Section -47.02 To 227.5 %



58

Incident Energy (eV)

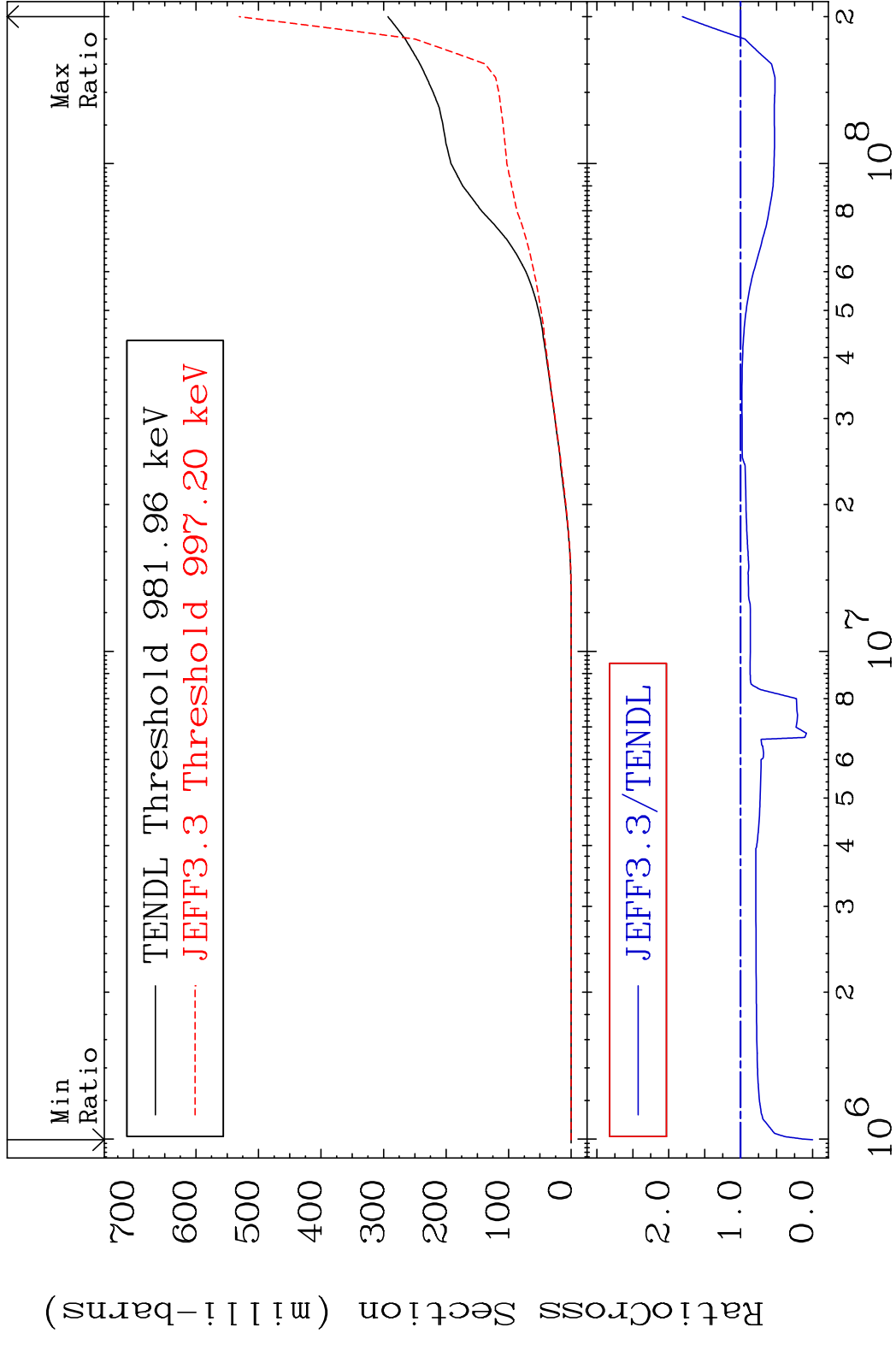
78-Pt-190

MAT 7825

Deuterium Production

78-Pt-190

Cross Section -100.0 To 81.08 %

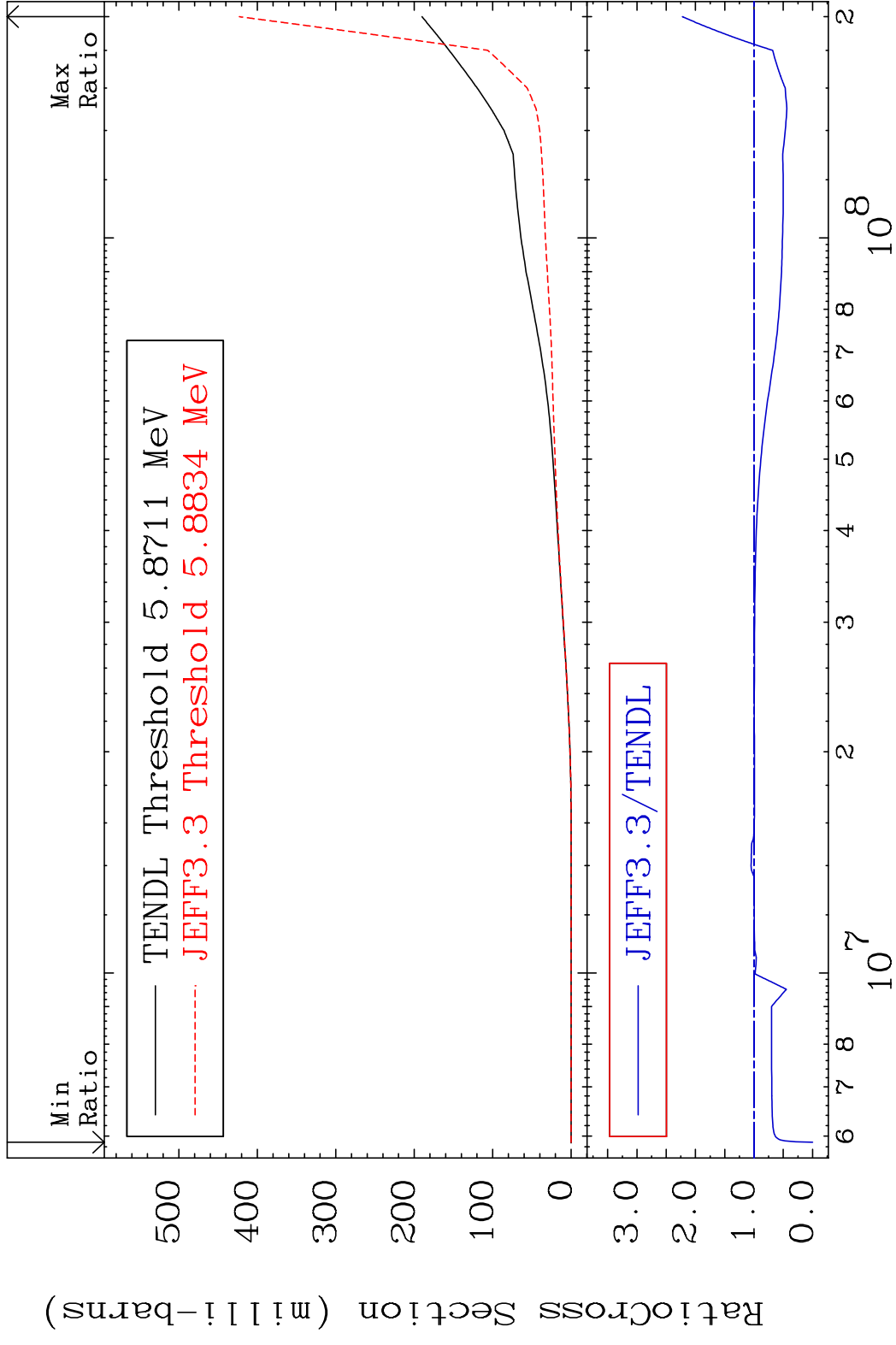


59

Incident Energy (eV)

78-Pt-190

MAT 7825 Tritium Production 78-Pt-190
 Cross Section -100.0 To 122.4 %

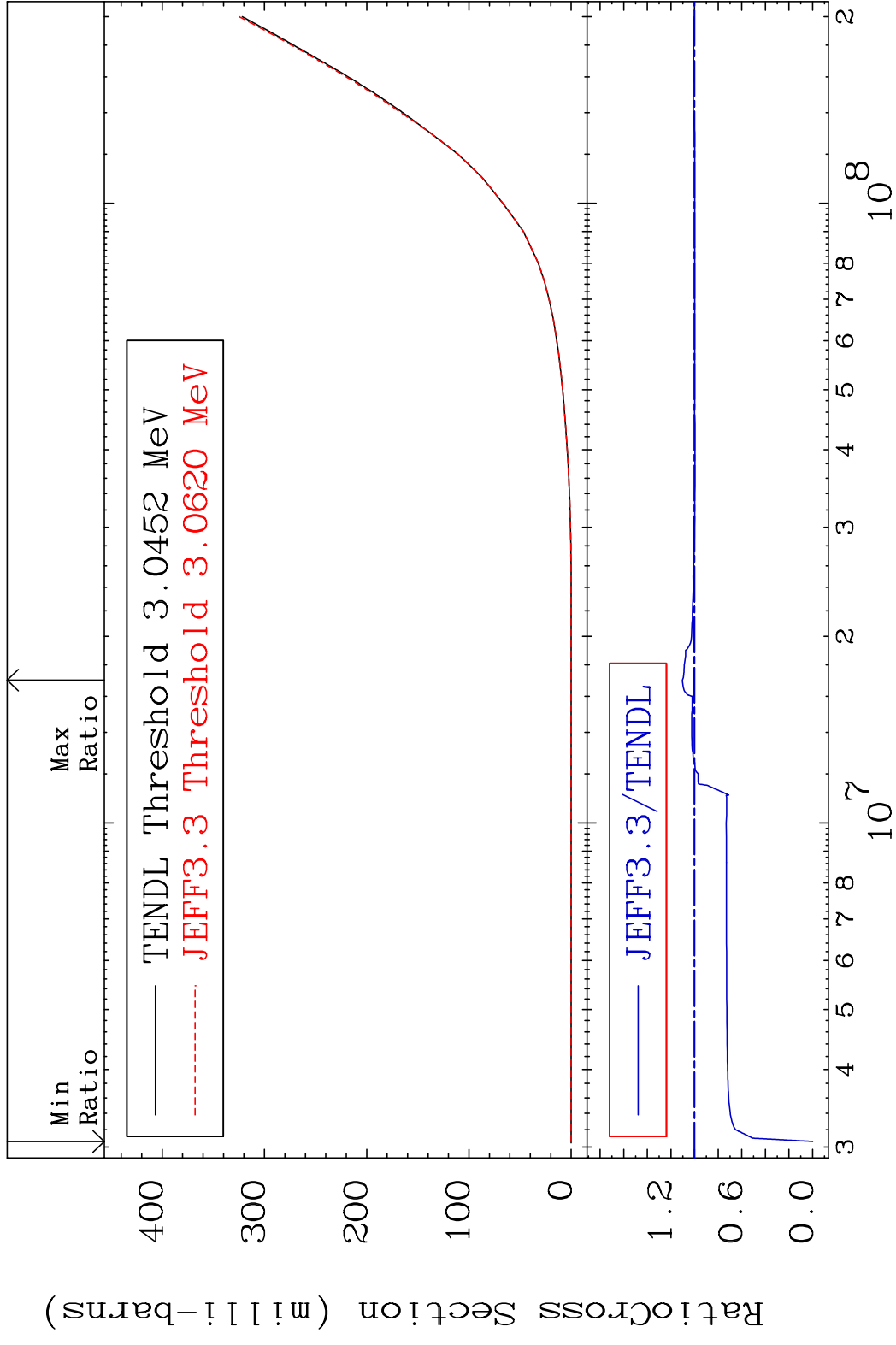


MAT 7825

He-3 Production

78-Pt-190

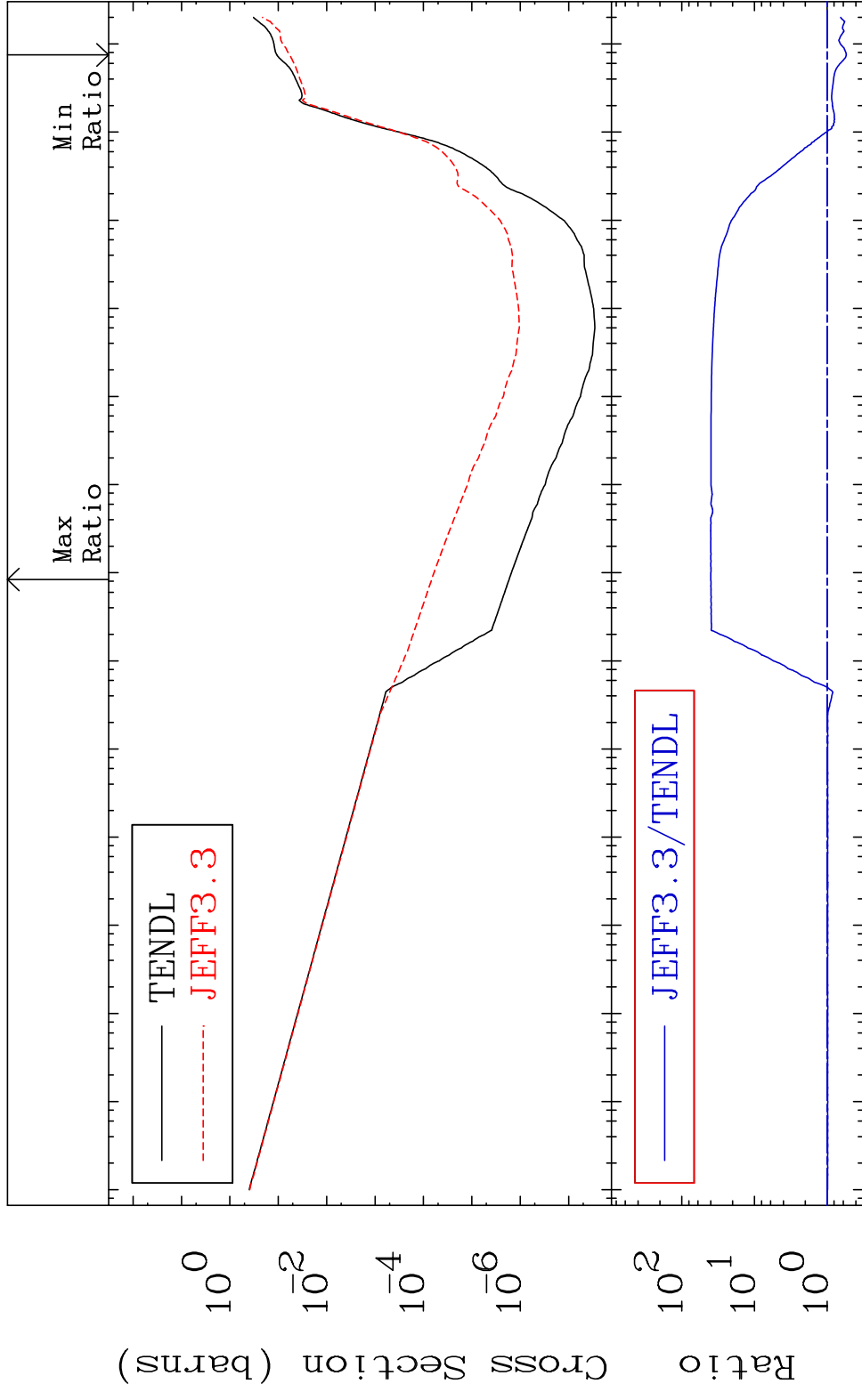
Cross Section -100.0 To 10.33 %



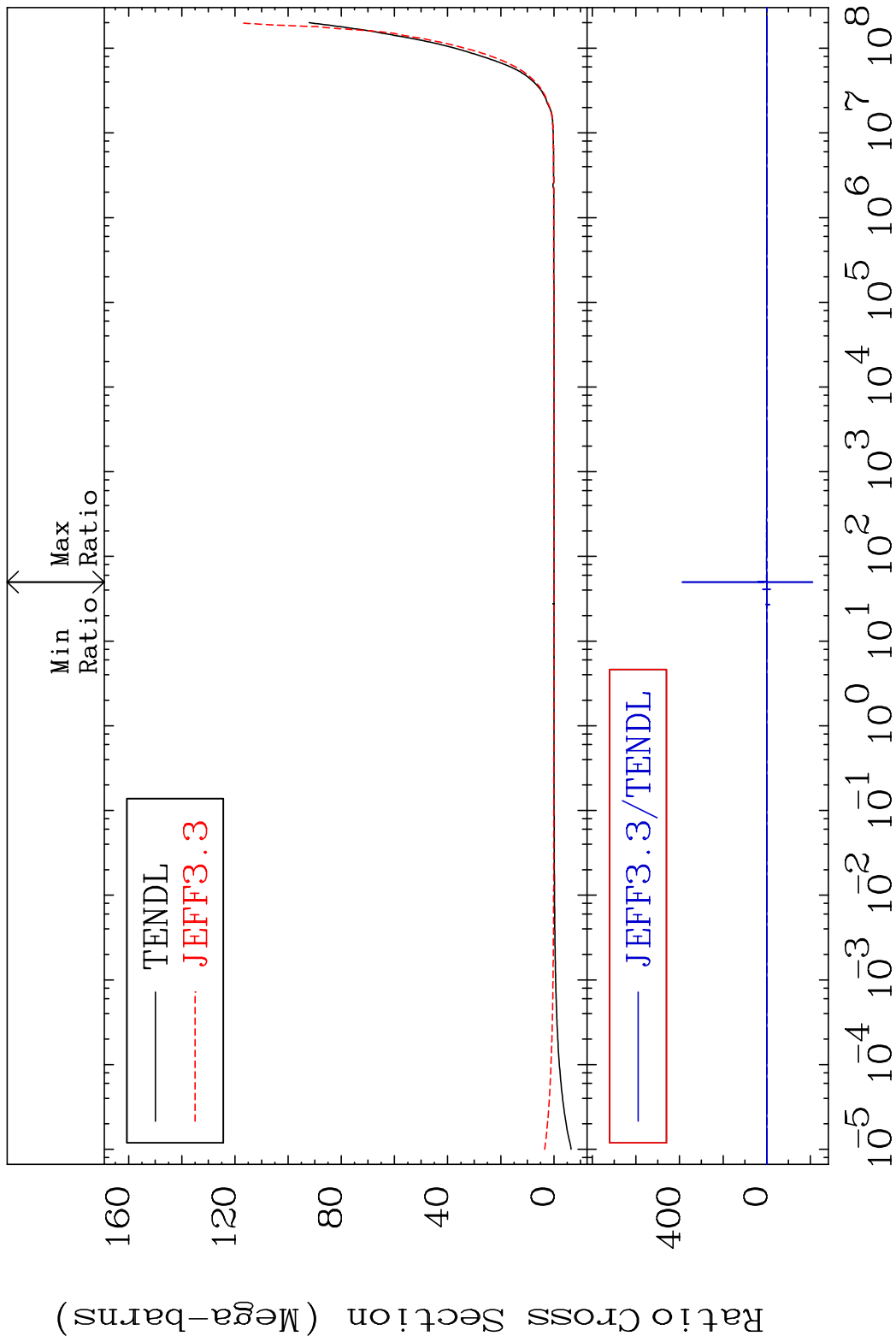
MAT 7825

He-4 Production
Cross Section -45.66 To 3901. %

78-Pt-190

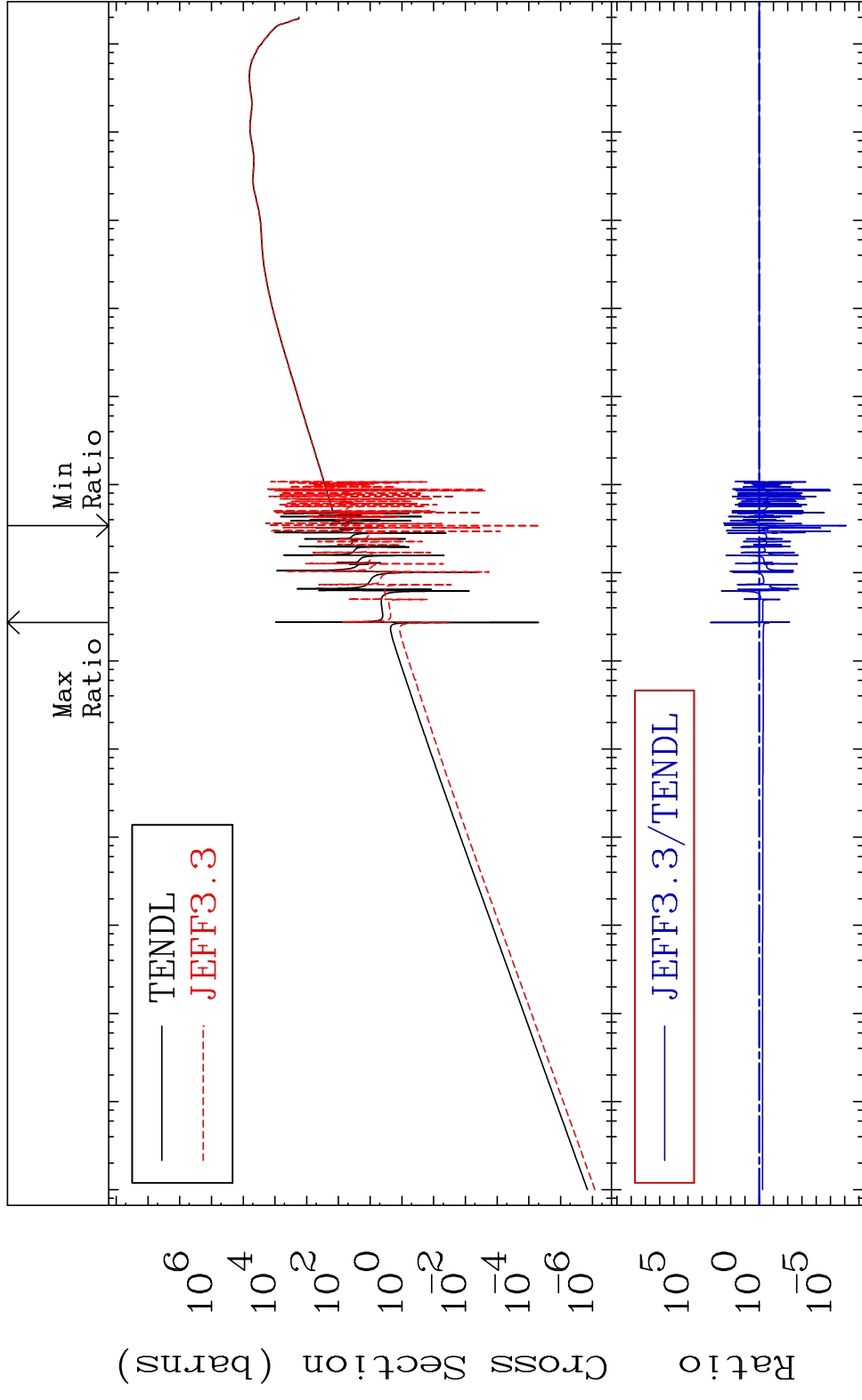


MAT 7825 Kerma total (eV-barns) 78-Pt-190
 Cross Section -9999. To 9999. %

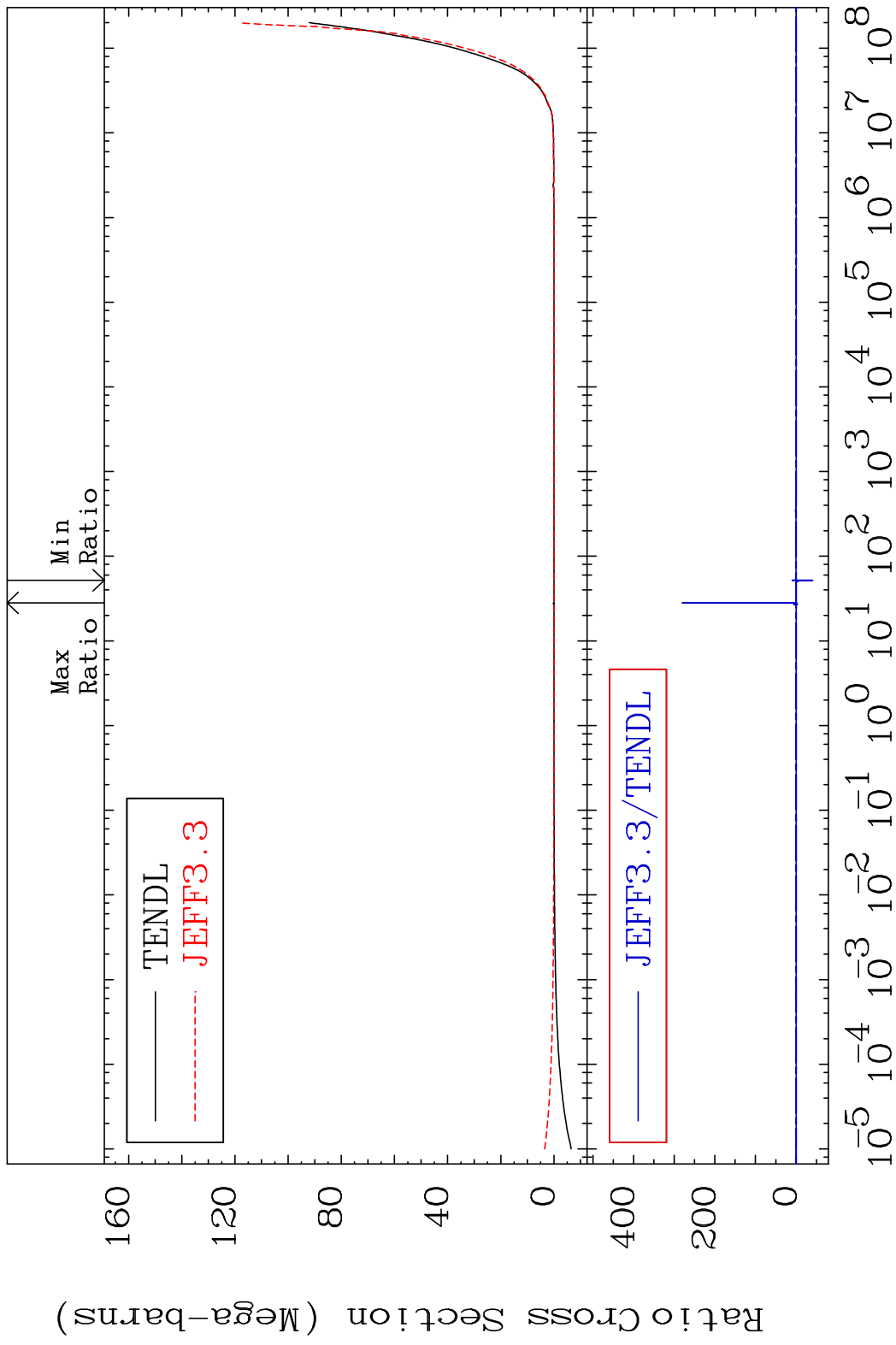


MAT 7825

Kerma elastic Cross Section -100.0 To 9999. %
78-Pt-190

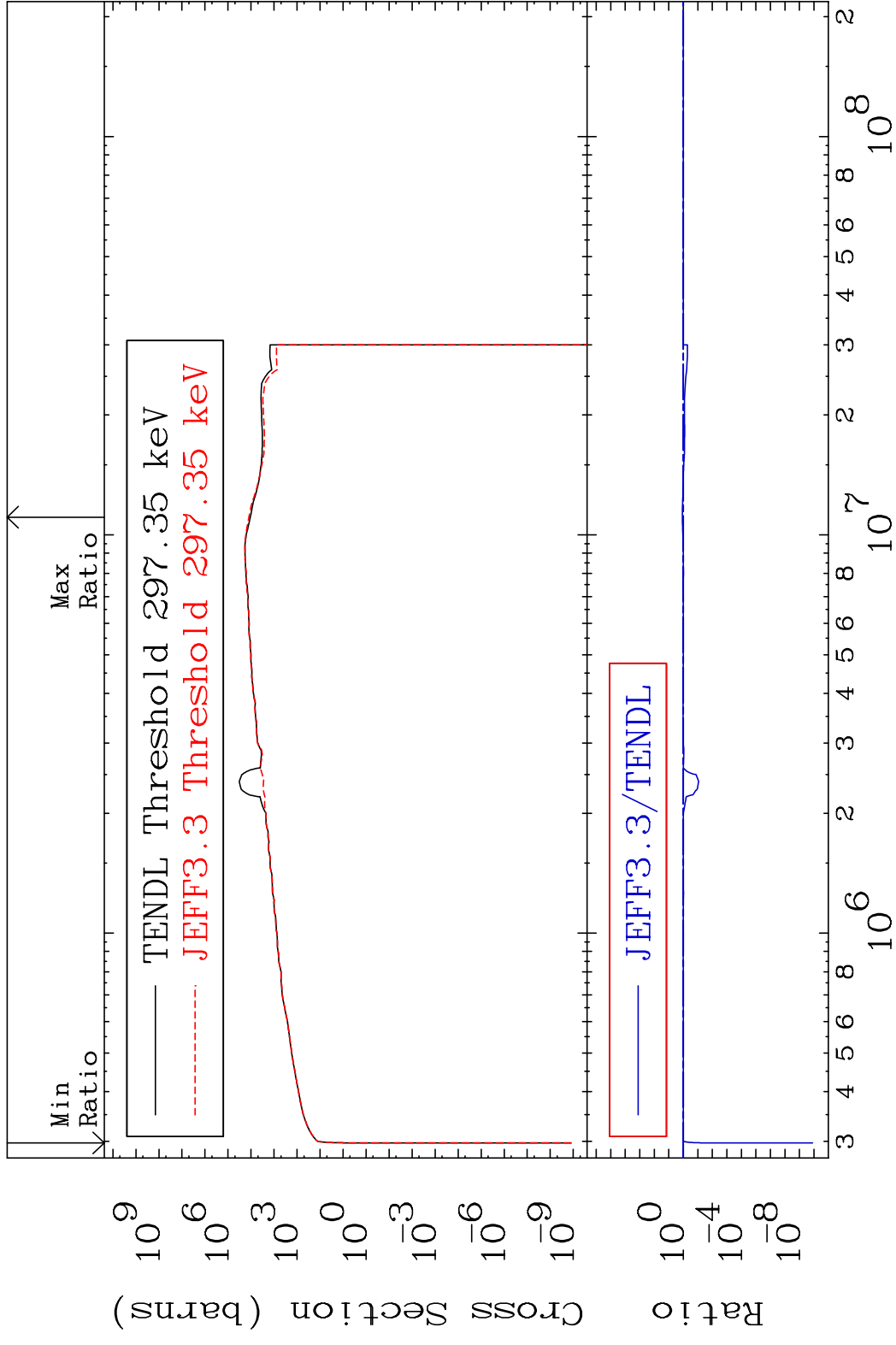


MAT 7825 Kerma non-elastic (all but mt2) 78-Pt-190
 Cross Section -9999. To 9999. %

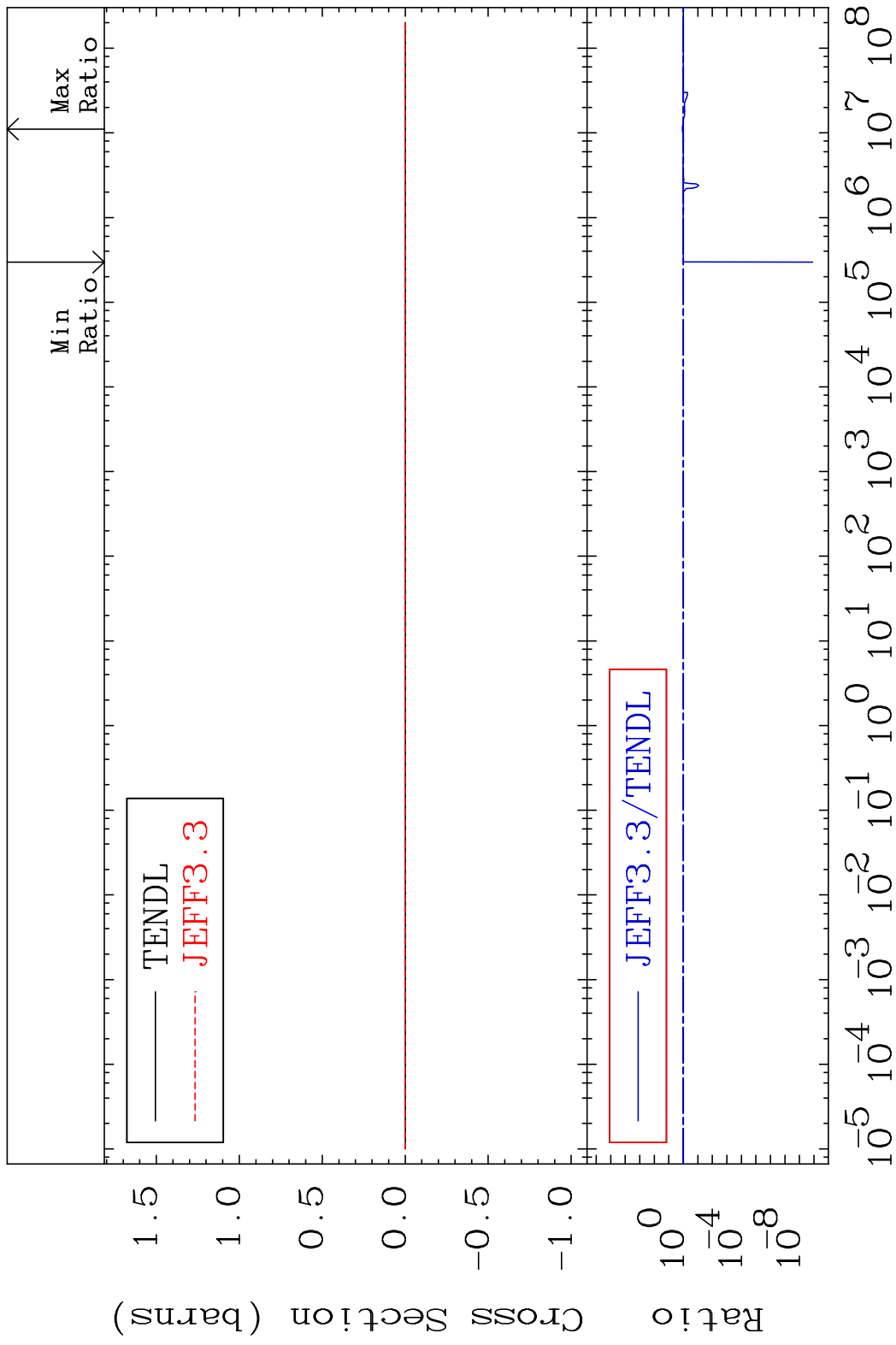


65 Incident Energy (eV) 78-Pt-190

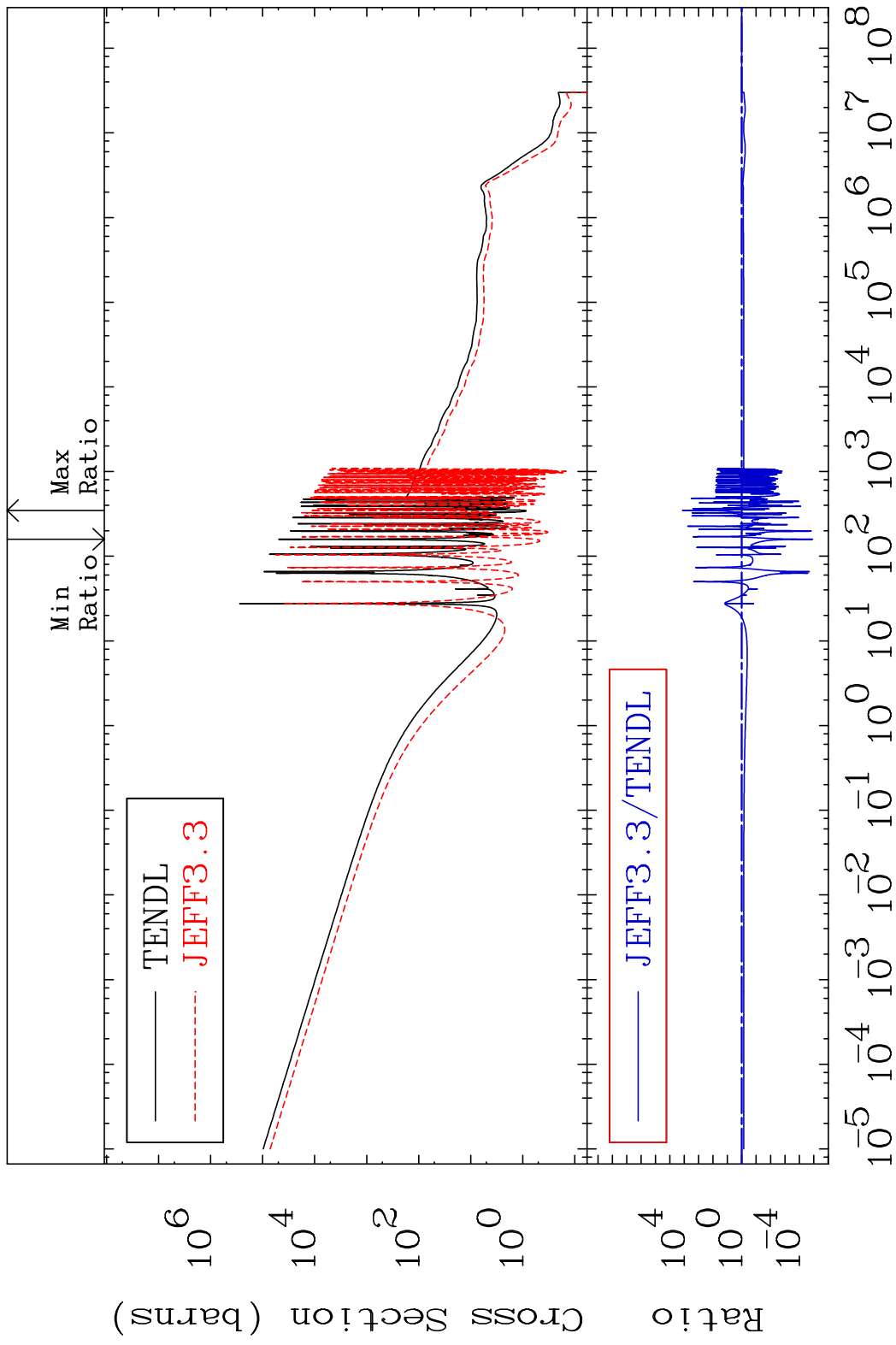
MAT 7825 Kerma inelastic (mt51-91) 78-Pt-190
 Cross Section -100.0 To 15.89 %



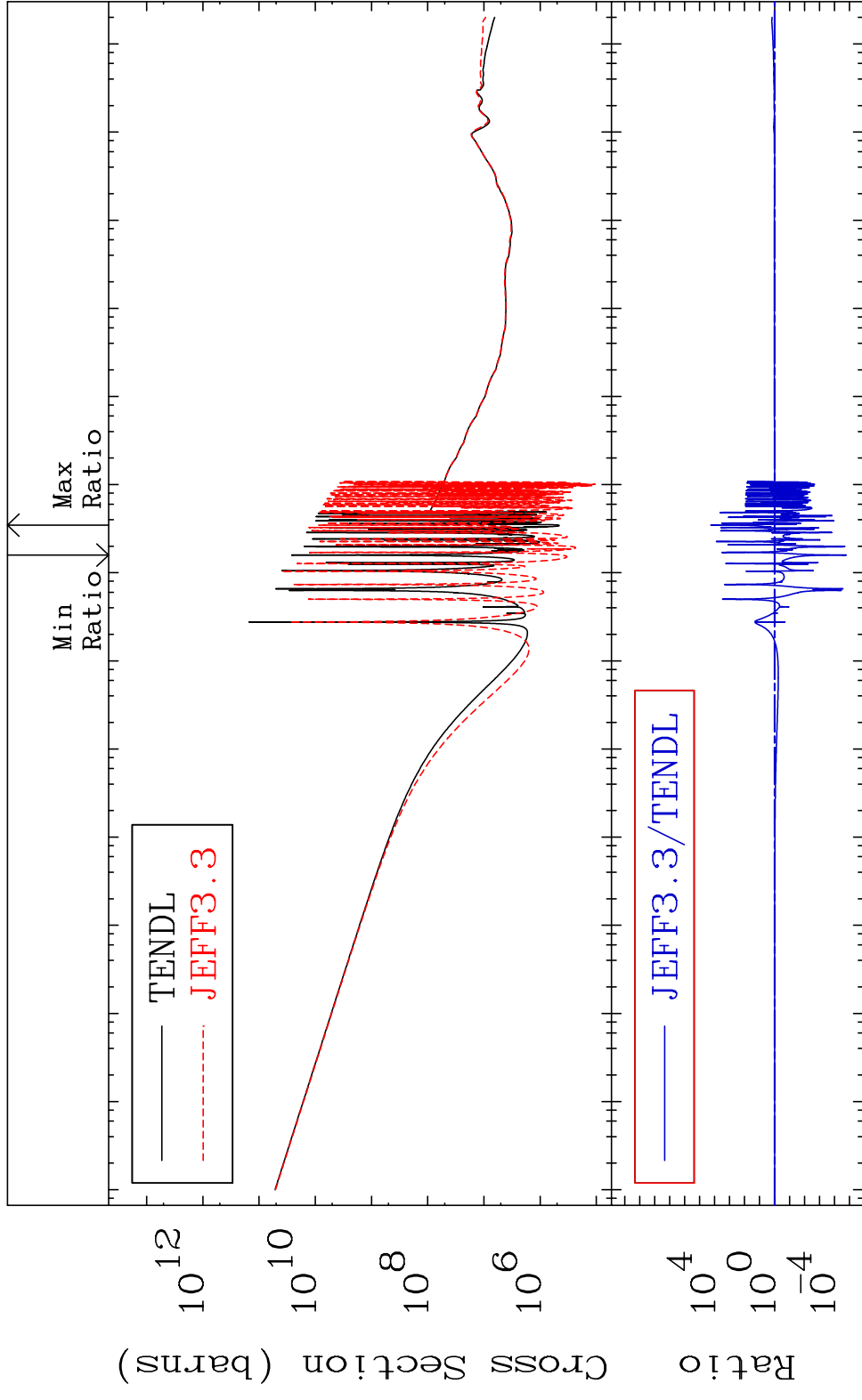
MAT 7825 Kerma fission (mt18 or mt19-20-21-38)78-Pt-190
 Cross Section -100.0 To 15.89 %



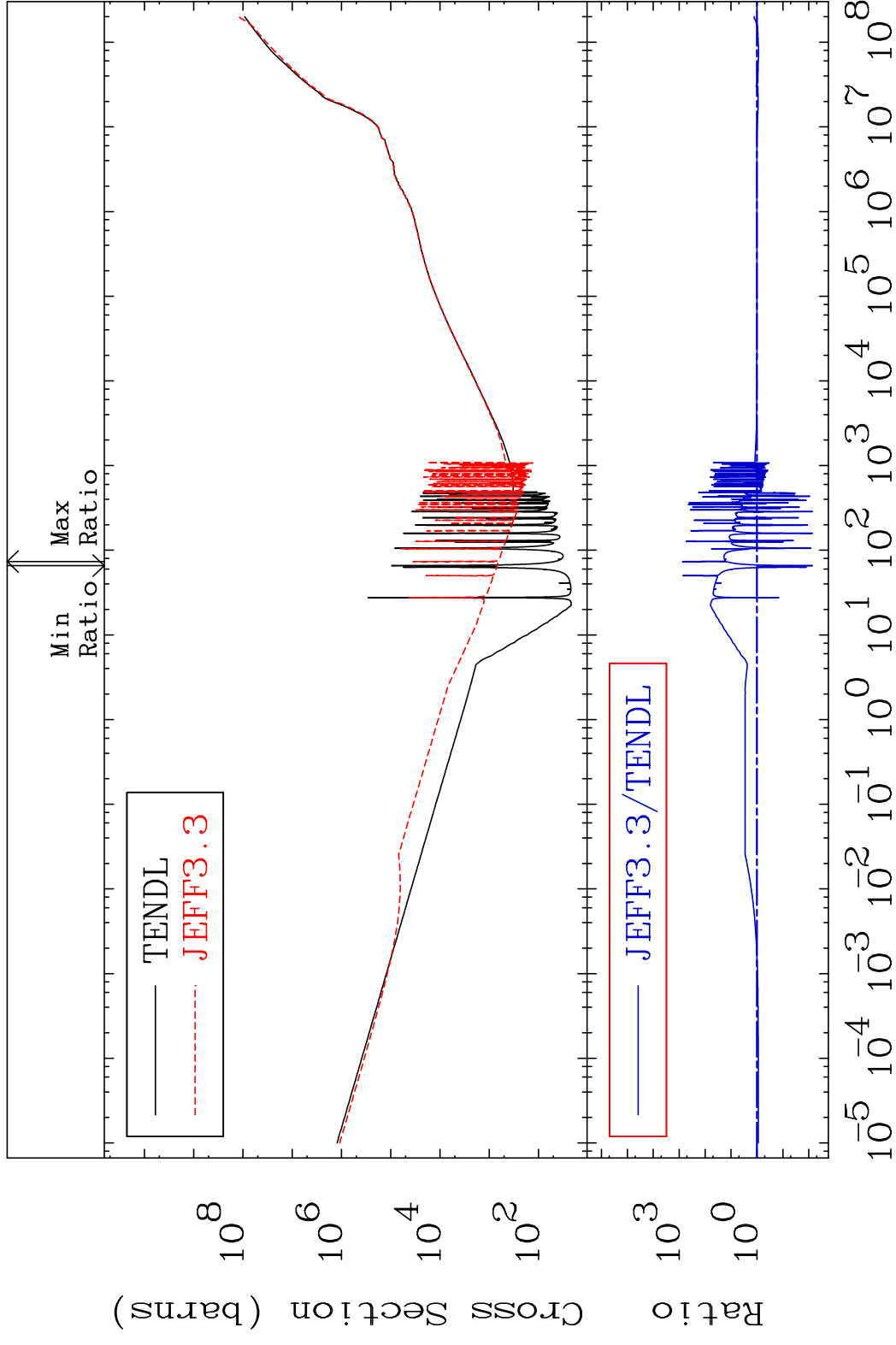
MAT 7825 Kerma capture (mt102) 78-Pt-190
 Cross Section -100.0 To 9999. %



MAT 7825 Total photon (eV-barns) 78-Pt-190
 Cross Section -100.0 To 9999. %

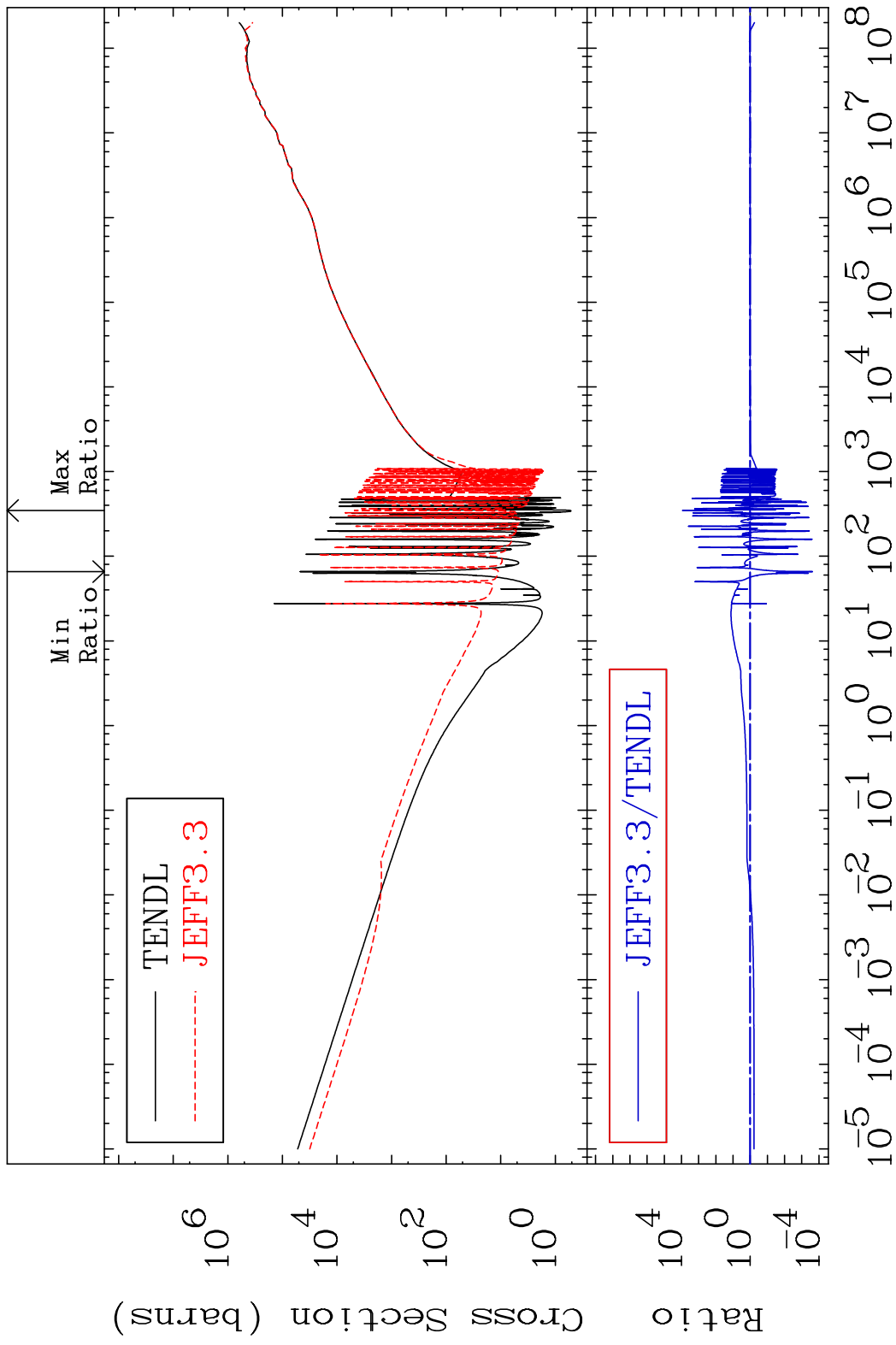


MAT 7825 Total kinematic kerma (high limit) 78-Pt-190
 Cross Section -99.28 To 9999. %



70 Incident Energy (eV) 78-Pt-190

MAT 7825 Dpa total (eV-barns) 78-Pt-190
 Cross Section -99.98 To 9999. %

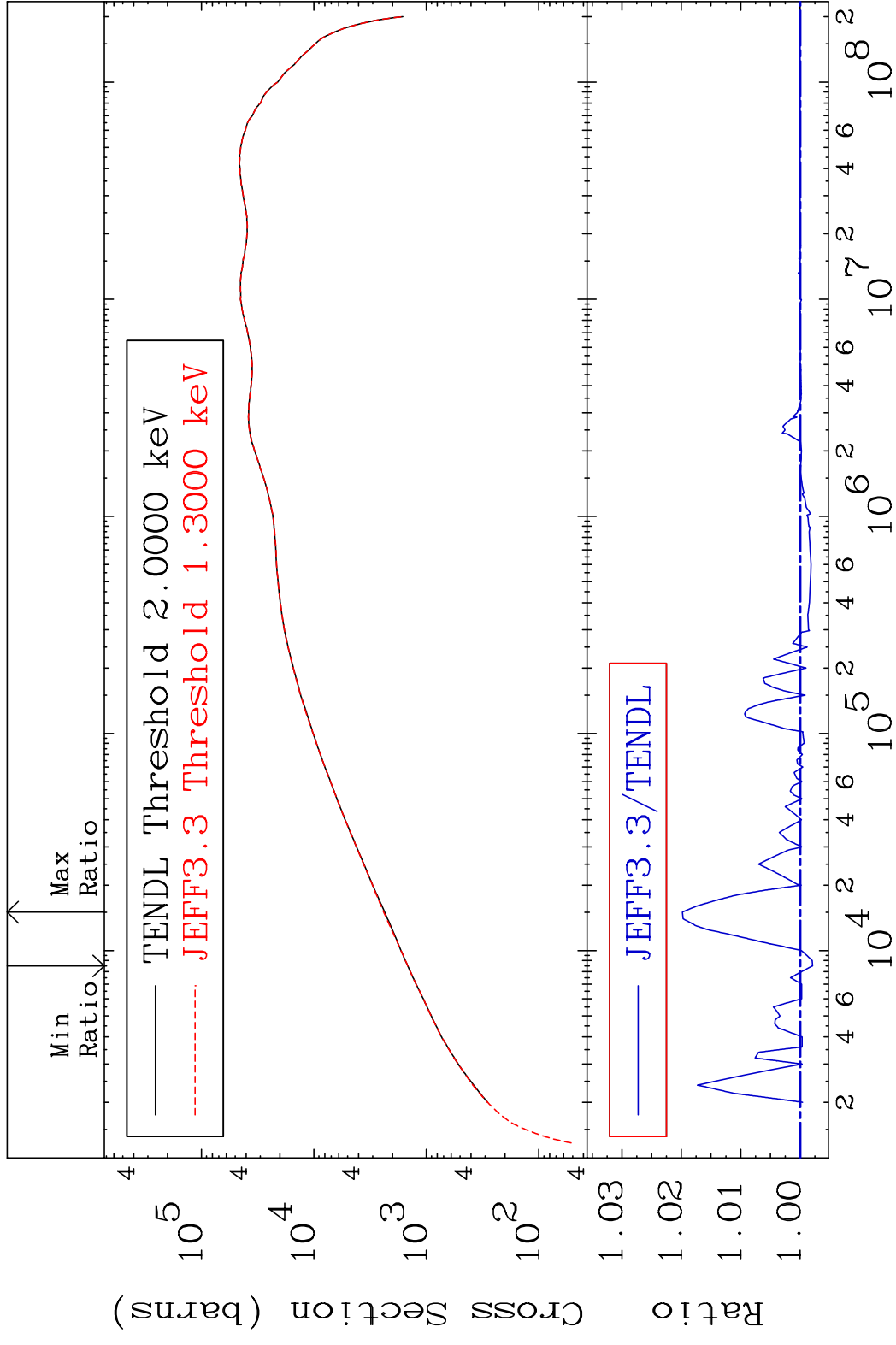


MAT 7825

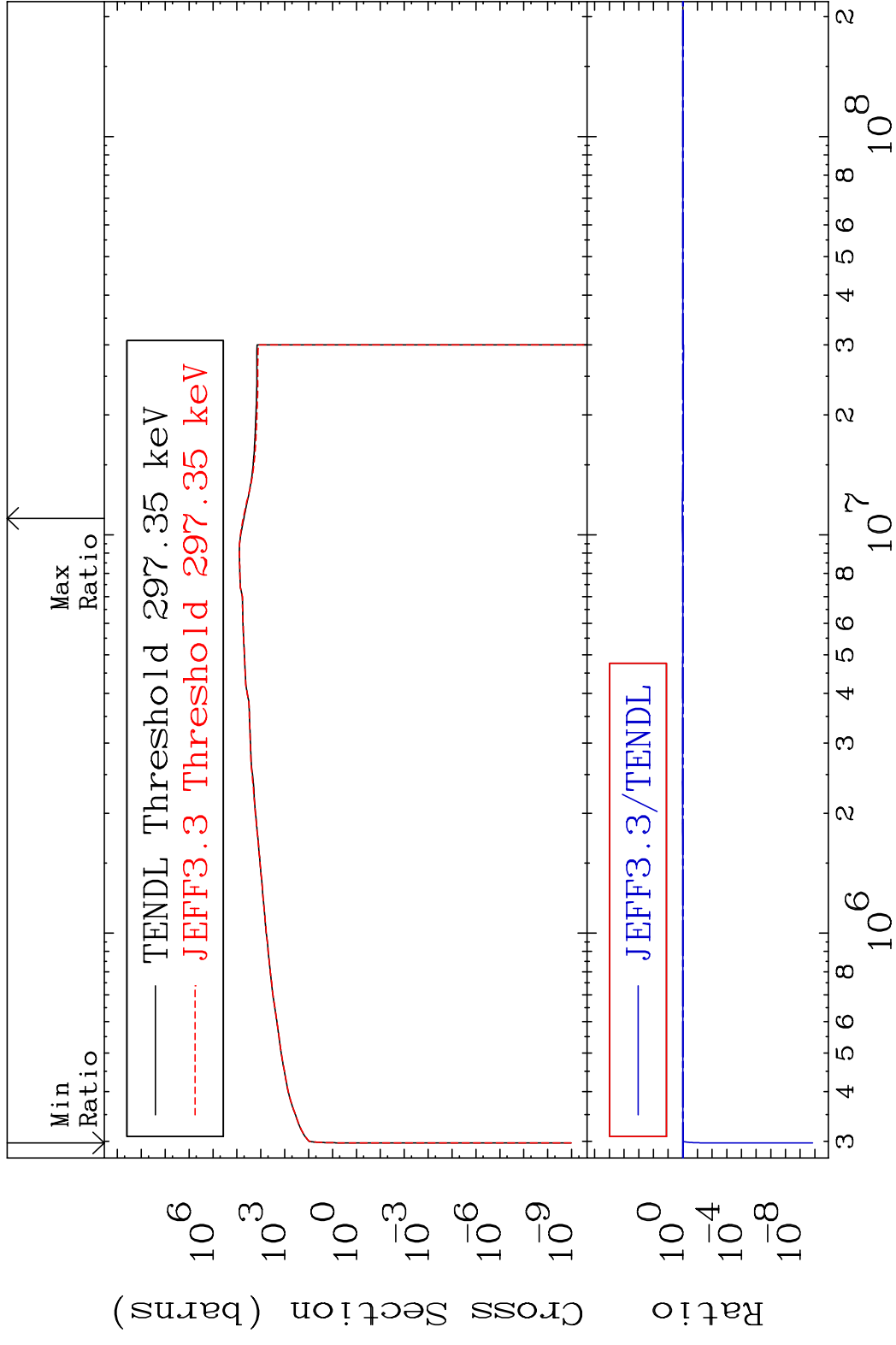
Dpa elastic (mt2)

78-Pt-190

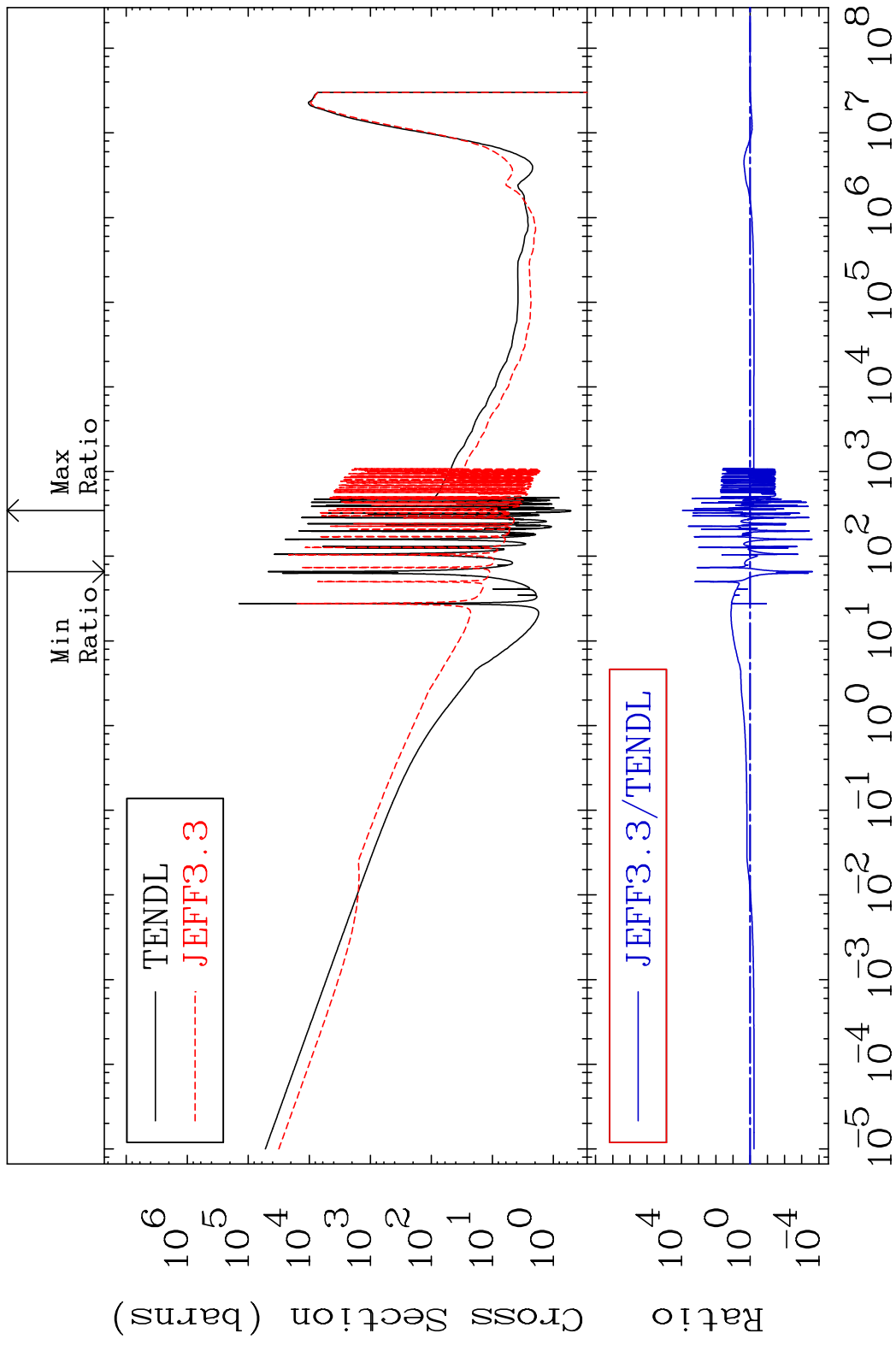
Cross Section -0.210 To 1.982 %



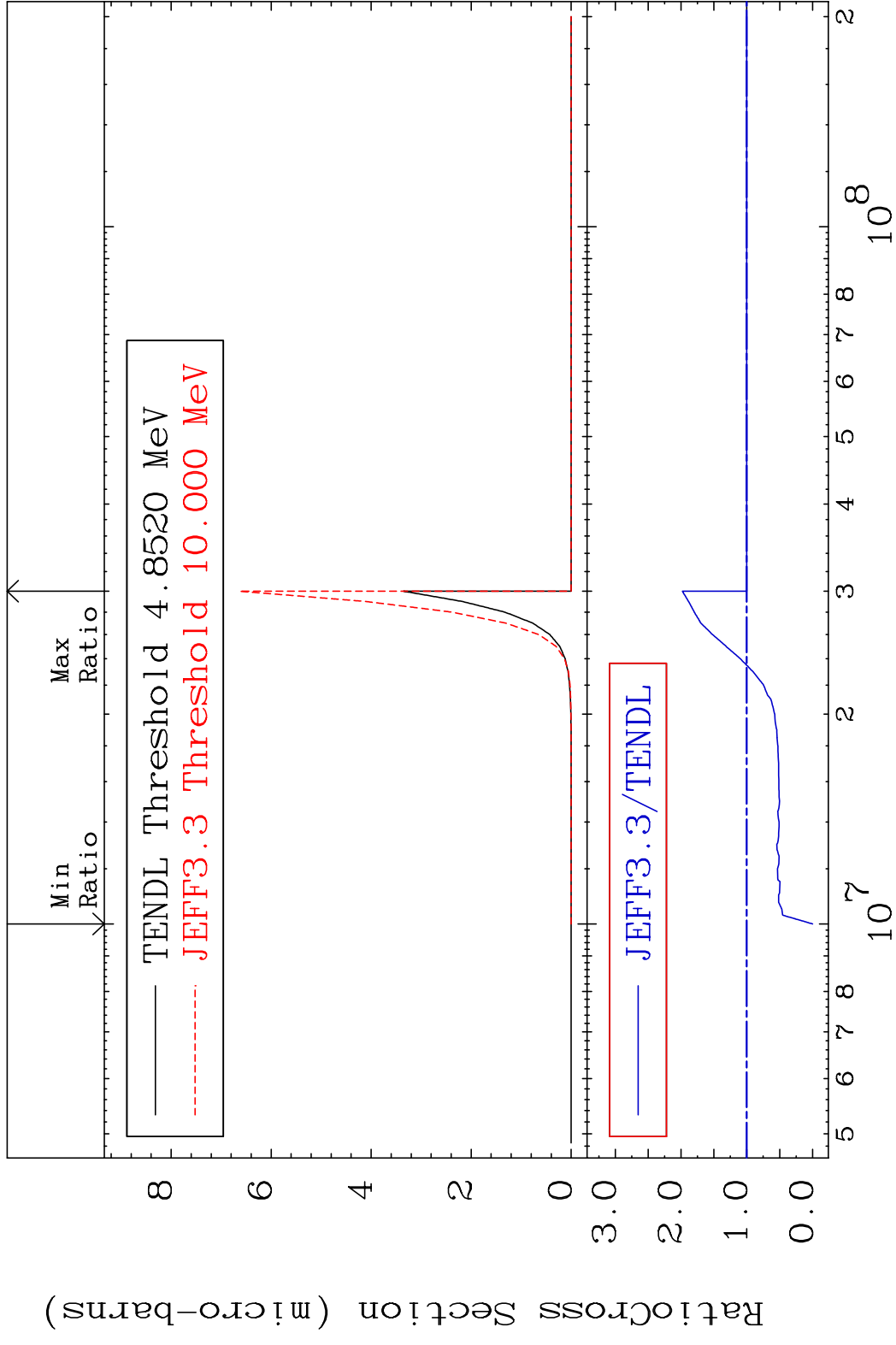
MAT 7825 Dpa inelastic (mt51-91) 78-Pt-190
 Cross Section -100.0 To 6.215 %



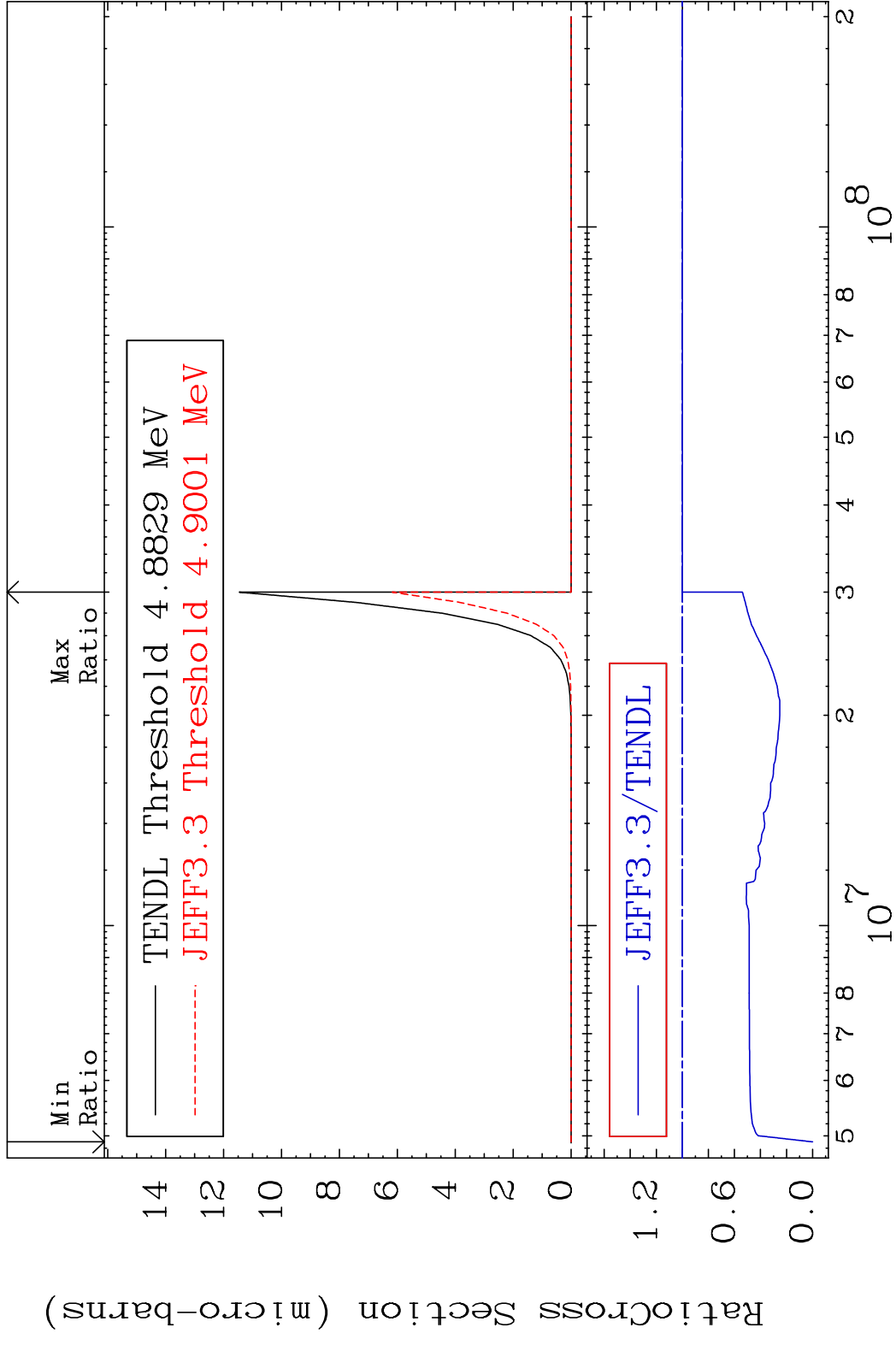
MAT 7825 Dpa disappearance (mt102 -120) 78-Pt-190
 Cross Section -99.98 To 9999. %



MAT 7825 (n,2p):76-0s-189g 78-Pt-190
 Radionuclide Production Cross Section 189g to 97.98 %



MAT 7825 (n,2p):76-0s-189m1 78-Pt-190
 Radionuclide Production Cross Section 189m1 to 0.000 %



MAT 7825 (n,2p):76-0s-189m1 78-Pt-190
 Radionuclide Production Cross Section 189m1 0.000 %

